

MODEL PENGELOLAAN PERIKANAN TANGKAP BERKELANJUTAN DI KAWASAN
LUBUK LARANGAN DI SUNGAI BATANG BUNGO
KABUPATEN BUNGO PROVINSI JAMBI

DISERTASI



Oleh

RINI HERTATI

BP.1830422001

PROGRAM DOKTOR BIOLOGI DEPARTEMEN BIOLOGI
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
UNIVERSITAS ANDALAS

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**SUSTAINABLE FISHERIES MANAGEMENT MODEL IN THE LUBUK LARANGAN
AREA IN THE BATANG BUNGO RIVER BUNGO DISTRICT,
JAMBI PROVINCE**

RINI HERTATI, S.Pi., M.Si. NIM. 1830422001: Under the guidance of Dr. Wilson Novarino as Commission Chair, Prof. Dahelmi, M.S as Supervisory Member.

SUMMARY

Efforts to manage capture fisheries and create conceptual models in the forbidden area need to be carried out as a basis for sustainable capture fisheries efforts in the future. The research objectives are: (1) Analyzing several ecological aspects and fish species in the fishing hole area along the Batang Bungo River (2) Analyzing the sustainability of capture fisheries in the fishing hole area on the Batang Bungo River. (3) Designing a conceptual development model for capture fisheries in the Batang Bungo River conservation area, Jambi Province. Testing the sustainability of the Rapfish capture fishery and analyzing the Soft System Methodology (SSM) approach. The research location was previously determined based on purposive sampling. The research was carried out from January 2021 to December 2021.

17 species, 17 genera, 5 families and 5 orders: Lampam fish (*Barbonymus schwanenfeldii* (Blkr.1854), sebarau fish (*Hampala macrolepidota* (Khul & Van Hasselt, 1823), bentulu fish (*Barbichthys laevis* (Valenciennes, 1842), selimang fish (*Crossocheilus oblongus* (Khul & Van Hasselt, 1823), seluang fish (*Rasbora argyrotaenia* (Bleeker, 1849), masik fish (*Labiobarbus fasciatus* (Blkr, 1853), nalis fish (*Labiobarbus lineatus* (Sauvage, 1878), semah fish (*Neolissochilus soro* (Valenciennes, 1842); , 1801, snakehead fish (*Channa cyanospilos* (Bleeker, 1853), green spotted pufferfish (*Dichotomyctere nigroviridis* (Marion de Proce, 1822)), simancung fish (*Schismatorhynchos heterorhynchos* (Blkr.1854), tawes fish (*Barbonymus gonionotus* (Blkr.1849) and nilem (*Osteochilus vittatus* (Valenciennes, 1842).

The Hg/mercury water quality value at station three is 0.092 Ppm. The number of fish caught in the forbidden area is as high as the Sustainability of capture fisheries in the forbidden area of the Batang Bungo River is stated to be less than sustainable to an unsustainable value below 50%. The conceptual model in the Lubuk Prohibition Area on the Batang Bungo River is made of 6 models: Increasing human resources, training in fishery product processing, government subsidy assistance, making zoning maps, fishing gear data collection and creating institutions in the Batang Bungo River conservation area.

Keywords: Management, Model, Capture Fisheries, Sustainable, Batang Bungo River