ABSTRACT

ALFISAHRI R. BARUADI. Development of Fisheries Capture in North Gorontalo District; Under Supervision by: DOMU SIMBOLON, ARI PURBAYANTO, and ROZA YUSFIANDAYANI.

The potency of capture fisheries in the North Gorontalo itself has not been known so far, especially for dominant species that caught from the waters of North Gorontalo. Nevertheless, an understanding of fish resource potency is important to optimize the management of the resource by fishers, private sector as well as government. Fisheries management in the North Gorontalo District is still conducted by government through fisheries development policies, however the output sometimes has not been matched with the government expectation. The fisheries development policies were implemented by several programs for example fishing technology development of purse seine that managed by fishers group, and grant of outboard fishing boat, whereas these programs were failed.

Now, the fisheries development policy that still continued done by the government is the policy of capture fisheries minapolitan. Some constrains in fisheries development require the attention of government and stakeholders in carefully formulating and assigning each policy in accordance with the expected goal and supporting factors for the successfull of the policy. Therefore, it needs an assessment of capture fisheries development that becomes one of the reference for fisheries development policies. The methods used were first, to analysis appropriatness of the capture fisheries minapolitan policy based on the guideline of minapolitan which was published by the Ministry of Marine Affairs and Fisheries; second, to analysis fish resource potency through surplus production model; third, financial analysis for fishing units that feasible to be developed; fourth, structural equation model (SEM) analysis for determining the influence factors toward capture fisheries development; and fifth, to design the capture fisheries development model. The result showed that North Gorontalo District was not feasible to become a center of minapolitan capture fisheries program. The potencial fish resources that could be developed consist of trevally, sardine, mackerel, anchovies, tuna, and frigate mackerel. Fishing units that feasible to be developed were purse seine, longline, boat liftnet, gillnet, boat seine, basket trap, hand line, and guiding barrier trap. Factors affected to the capture fisheries development were the economic aspect that consist of market, partnership, capital support, and fish price.

Based on the analysis of fish resources that could be potencially developed, the feasible fishing units, and the factors influenced to the capture fisheries development, therefore the design model of capture fisheries development in the North Gorontalo District was created.

Keywords: development, capture fisheries, fish resource, fishing unit, North Gorontalo.