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## Resource use efficiency among catfish processors in Oyo State, Nigeria

OLUFUNMILOLA ADESANYA, OLUWAFUNMISO ADEOLA OLAJIDE

*University of Ibadan, Dept. of Agricultural Economics, Nigeria*

### Abstract

The quest for fish protein balance and availability require improvement of resource use efficiency in both the production and processing of protein source like Catfish. Researchers have conducted studies on the resource use efficiency of catfish production in various states of Nigeria, but there a dearth of information on the resource use efficiency of catfish processing. A Multistage sampling procedure was used for data collection from two Local Government areas in Oyo state. The final respondents were drawn from the list of catfish processors in the study areas. Data were collected and analyzed using Stochastic Frontier Analysis, and Resource Use ratios. The estimated stochastic production frontier model indicated that the amount spent on fresh catfish, the cost of packaging materials, and charcoal were significant determinants of production level. Resource use efficiency indicators reveal that there was gross inefficiency in the allocation of production inputs among catfish processors in Oyo state. The resources are not well combined to achieve optimal output. This study concludes that there is a need for standardization among catfish processors to enhance resource use efficiency. The study recommends that catfish processors should be guided by extension agents through technical training on processing techniques and managerial skills that will improve their productivity.

**Keywords:** Catfish processors, Nigeria, resource-use efficiency, technical inefficiency