



Title: Production and consumption of aquaculture fish in Saint-Louis of Senegal

Name and Position title: Idrissa Diedhiou, Fisheries Economist Researcher in Center for Oceanographic Research of Dakar Thiaroye

Address : Pôle de recherche ISRA/Hann, Route du Front de terre, BP 2241 Dakar, Sénégal

Phone: +221 77-588-89-06

Skype: +221775888906

Tweet: @DiedhiouIdris14

Abstract: This study aims to provide information on controlling the production costs of fish farms located in the Saint-Louis region in Senegal and to identify target consumers and their eating habits. Surveys were carried out in the region among producers (five fish farms breed-specific fish species such as tilapias, clarias, and shrimps (*Macrobrachium vollenhoveii* and *Macrobrachium rosenbergie*)) and consumers (6 restaurants, 3 hotels, and 7 households). The study evaluated the production of tilapia on the 5 farms studied at 7,300 kg for a production cycle of 6–7 months. The fish produced, is marketed in the surrounding households at the price of US\$1.8 on-site (at the production sites) and US\$2.7 per kg on the market. For clarias fish, its production amounts to 1,185 kg. It is sold in processed form (dried fish) and the price varies between US\$10.8 to US\$21.6 per kg. However, the results reveal that restaurants prefer wild fish to farmed fish because they are more affordable and accessible, and have a larger size and better taste. The study also shows a preference for wild fish over fish farming by hotels and households. The production and economic profitability of fish farming at the Saint-Louis fish farms are currently low. Consequently, this explained by an insufficient supply of fish fry quality and feed, very high production costs, a lack of marketing skills, an insufficient of means of sale and services, unstable prices, and low demand for species (tilapia and clarias). The strengthening of research, the training of stakeholders, and the need for a legal and regulatory framework to be able to attract private investors would make it possible to improve the productivity of current farming systems.

Keywords: Saint-Louis of Senegal, fish farming, production, economic profitability, consumers.

Biography:

Dr. Idrissa Diedhiou is a member of the project « Management and Resilience of Small Pelagic Fisheries in West Africa (hereinafter called in French *Gestion et Résilience des Pêcheries de Petits Pélagiques en Afrique de l'Ouest – GREPPAO* » funded by European Union/CEDEAO. I did my doctoral research at Shanghai Ocean University. Today, I have published six (6) scientific articles, including two articles in reputable journals.