

RESEARCH ON SHRIMP FARM ZONING AND WATER DEMAND ASSESSMENT FOR BRACKISH WATER SHRIMP FARMING IN SOUTH CENTRAL COAST OF VIET NAM

**Dang Thi Kim Nhung, Nguyen Van Manh, Dang Vi Nghiem,
Tran Dinh Dung, Tran Thi Men, Khong Trung Duan**

Summary

The brackish shrimp farming industry in the South Central Coast is recently become highly unstable in terms of production areas, productivity in recent years due to impacts of environmental pollution and unstable water supply on the region. Based on the assessment of aquaculture status in the area, it can be seen that the key factor affecting the success of aquaculture production is the management of water quantity and water quality in the aquaculture process. This study will perform classification and zoning of aquaculture area based on farming practices and farming technology; Identify the demand for saltwater, fresh water and waste water during the farming process in each zonation. The results of the study will serve as a basis for aquaculture development planning associated with availability of freshwater and saltwater supply in each area; providing solutions to minimize environmental pollution impacts in order to serve the sustainable development of the aquaculture industry and stabilization of farmer livelihoods in the South Central Coast region.

Keywords: *South Central Coast, water supply, shrimp farming, brackish water.*