ABSTRACT

DANIAL. Development Model for Fishery Industry based on the Fishing Port in Makassar South Sulawesi. Under supervision of JOHN HALUAN, MUSTARUDDIN, and DARMAWAN.

Makassar, the capital of South Sulawesi Province, and the main gate to the Eastern Region of Indonesia, is highly potential to establish as the largest fishery industry centre in Indonesia. The objectives of this research were to develop a model of fishery industry in Makassar based on Archipelagic Fishery Port, by presenting the current condition of fishery activities, identify the influential factors to the development of the fishery industry, and formulate the development strategy of fishery port-based of fishery industry. This research was conducted from January to December 2009 at the fishery port or fishery industry areas of Makassar. The research activities included: site visit during April - May 2009 to determine the variables and to collect preliminary data from the fishery industries, both primary and secondary from fishery industries June to November 2009. Primary data collection involved direct observation and data collection, confirmation and recheck of the respondent. Data of fishery yields was analyzed applying SEM (structural equation modelling) by using software Amos version 4.01. Results of modification showed smaller chi-square than the initial modification, criteria of fit model of 568.689, and other criteria of goodness of fit indices i.e. RMSEA 0.052, CFI 0.935, IFI 0.938, GFI 0.827, AGFI 0.761 and PGFI 0.599. Based on the above analysis, the strategic of fisheries development could be focussed or prioritised an quality improvement of available human resources, utilization of new technology packages, monitoring, bureaucracy simplification, improvement of government support to face global competition and cooperation among related ministries to implement development program of fishery. The model could be used to formulate development strategies of fishery industry in several other fishery ports provided that addition or reduction of factors and variables should be based on literature review, initiated by a set of scientific exploration to obtain justification to the established theoretical model.

Key word: Model, fishing port, fishery industry, SEM