

COMPLETION REPORT

Muhammad Iqbal Djawad

Hasanuddin University

Department of Fisheries/Faculty of Marine Sciences and Fisheries

The primary purpose of this study is to elaborate on the history and cultural development of Aquaculture Management by the Local Sea Farming Association in Japan. During its history, aquaculture management in Indonesia had gotten a lesson learned and absorbed some aquaculture techniques from Japan. Aquaculture management in Indonesia began with the initiative from the local community's understanding (local knowledge; customary knowledge) and later was institutionalized using the customary law system.

This research identified, observed, and analyzed Aquaculture Management's history and cultural development by the Local Sea Farming Association in Japan. Almost all of the information got from the Official Website of the Japan National Center for Stock Enhancement Fisheries Research Agency. The history of "saibaigyogyo senta" is well known that it started in the 1960s (or earlier) until now. Another information got from books and personal communication with some experts of Aquaculture management in Japan. Although some of the Japanese fish species are different from Indonesian species, Japanese Aquaculture Management can be used for analyzing one of the concepts of cultural history and development. I believed this research project has already contributed to the development of Indonesian aquaculture management by producing a "fresh" and new perspective of aquaculture management in Indonesia by the lesson from Japanese aquaculture management.

Based on this research finding, the Ministry of Marine and Fisheries of Indonesia should manage the potential ecological and social impacts. Indonesian aquaculture should be paying attention to resource conflicts and difficulties in accessing credit, quality seed and feed, and information. One of the keys to meeting growing demand has to improve post-harvest processing to reduce aquaculture species losses. Aquaculture in Indonesia is sometimes neglected in national development policy priorities, as policymakers sometimes do not have access to data, reflecting the importance of aquaculture to development. Appropriate policies and regulations remain essential, however, ensuring that aquaculture development is pro-poor and sustainable.

Also, based on the lesson learned from Japanese Aquaculture Management, Indonesian Aquaculture Management has to elaborate some local practices based on current local customs and local agreements used as the basis of fishery management. During its history, aquaculture management in Indonesia began with the initiative from the local community's understanding (local knowledge; customary knowledge) and was later institutionalized using the customary law system. In the development process, these local practices have changed dynamically in terms of cultural, social, economic aspects and related cases of bio-ecological changes of water ecosystem as the base of aquaculture activities as management subjects. A critical reference towards the possibility of local institution adoption in proper aquaculture management has to be conducted. Through this, some entry points are identified towards local institution-based aquaculture management.

Publication of the Results of Research Project:

Verbal Presentation (Date, Venue, Name of Conference, Title of Presentation, Presenter, etc.)

- November 9, 2020: Webinar of Indonesian Aquaculture. "Development of Aquaculture Management by the Local Sea Farming Association in Japan" by Muhammad Iqbal Djawad
- November 23, 2020: Webinar of Indonesian Aquaculture Society Series. "Local customs and local agreements used as the basis of aquaculture management: Lesson learned from Japan" by Muhammad Iqbal Djawad
- January 15, 2021: Focused Group Discussion through Zoom Meeting. "The initiative from the local community's understanding (local knowledge; customary knowledge)" lead by Muhammad Iqbal Djawad
- February 2 2021: Focused Group Discussion through Zoom Meeting. "The identification of local institution based on aquaculture management" lead by Muhammad Iqbal Djawad

Thesis (Name of Journal and its Date, Title and Author of Thesis, etc.)

Book (Publisher and Date of the Book, Title and Author of the Book, etc.)