ABSTRACT

LORA SEPWINTA. The Analysis of Brown Marbled Grouper *Epinephelus fuscoguttatus* and Polka Dot Grouper *Chromileptes altivelis* Rearing Aquaculture Business Condition in Floating Net Cage at Sea Farming Area Panggang Island, Kepulauan Seribu District Administration. Supervised by IIS DIATIN and IRZAL EFFENDI.

Panggang Island, Kepulauan Seribu is well-known as one of sea farming development area in Indonesia which developing grouper fish rearing aquaculture business, specially brown marbled grouper and polka dot grouper, using the floating net system. The grouper fish farmers is grouped as a Sea Farming group which supervised by PKSPL-IPB and supported by Kepulauan Seribu District Government.

The purpose of this research is to analyze of grouper fish rearing aquaculture business in technical condition and financial aspect. The method used is case study. Unit case in this research is fish farmer who has the job to brown marbled grouper farm and polka dot grouper farm. The observation did for grouper in size range 100-200 g, 200-300g, 300-400g, 400-500g and more than 500g which is in the group of Sea Farming. Primary data and secondary data is the source of data in this research. The sampling methods that used in the research is purposive sampling methods. Methods of data retrieval is performed directly to surface of weight, length, number of fish in the early, the final number of fish, feed quantity and water quality.

The research shows that the management of cultural business in Panggang Island is not good enough, refers to the result of cultural technical analysis that showing small value for some parameters such as SR, SGR and FCR. The SR value for brown marbled grouper is 36% and 57% for polka dot grouper, SGR for brown marbled grouper is 4,49% and 4,05% for polka dot grouper, FCR for brown marbled grouper is 12,2 and 8,5 for polka dot grouper. The result for brown marbled grouper cash flow in Panggang Island showed that the business is lose out but the result for polka dot grouper cashflow showed that the business is profitable for Rp 8.051.137,00. On the other hand, if fish farmers repaired technical aspects and used optimization input for grouper fish rearing aquaculture is resulted brown marbled grouper aquaculture business in this research the result from financial analysis suitable to manage it and will give increasing profit for 379,8%.

Key words: Brown Marbled Grouper, Polka Dot Grouper, Floating Net Cage, rearing aquaculture, bussines feasibility.