

Small scale Snapper and Grouper and other demersal fishery- Makassar Strait, and Flores Sea Workplan (FMA 713) (1 January – 31 December 2016)

Background

Snapper and grouper from South Sulawesi Province are targeted both for export and domestic consumption. These fisheries are caught using hook and lines, bottom long line, set and drift gillnet. The fishing ground covers the waters of Makassar Strait and Flores Sea (in Fishery Management Area 713), on the shallow reefs to the depth of over 100 m.

South Sulawesi Province region is an important producer of both snapper and grouper in Indonesia. The province total landing for snapper reached 12,955 tonnes in 2011, contributing the average of 11% from the total production of Indonesia (118,648 tonnes). Meanwhile, the total landing of grouper in Indonesia reached 75,252 tonnes in 2011, with South Sulawesi region contributing the biggest portion (14.4%), followed by Maluku and Papua region (14.2%), Bali and Nusa Tenggara (13.6%) and West Sumatra (12%) [MMAF, 2011].

Snapper and grouper from South Sulawesi mainly comes from small-scale fisheries, using fishing boats of sizes ranging between 4 to 7 meters long, and powered by 5 to 24 HP/PK outboard engines. Fishing gear used include handline, bottom long line and bottom gillnets. Small-scale fishers are operating on a daily basis, averaging at least 10 days per fishing trip.

The snapper is part of the family Lutjanidae, with at least 5 snapper species *Lutjanus malabaricus*, *L. erythropterus*, *L. sebae*, *L. vittus* and *Pinjalo pinjalo*, while the grouper is from family Serranidae, with four species identified : *Epinephelus aerolatus*, *E. malabaricus*, *E. microdon* and *Plectropomus maculatus* (Sumiono et al. 2010).

There have been several studies on snapper and grouper in Makassar Strait, including study on the deep sea snapper (Sumiono et al. 2010 and Hukom, 2007) . However, a comprehensive biological stock assessment is not available. The MMAF Decree on Estimation of Fishery Resource Potential in Indonesia put red snapper and grouper in Makassar Strait (WPP 713) as *moderately exploited* (MMAF, 2011).

Workplan

The FIP aims to support and contribute to the development of the improvement and sustainability of the small scale snapper and grouper fisheries in Makassar Strait.

| Action/Task | Deliverables | Deadline |
|---|--|--------------------------|
| Develop sampling Protocol | Sampling protocol developed | Jan 2016 |
| Identify sites for catch data sampling | Sites selected | |
| Identify sites for production data sampling (at the middlemen in Makassar, who supply to processor) | Sites selected | Jan 2016 |
| Recruit and train Enumerators to record catch data using logbook | Enumerators hired and training completed | May 2016 |
| Catch data reporting | Data inputted into database; analysed and submitted to the Authority | On going until Dec 2016 |
| FIP meetings | Regular FIP meeting to review | Mar 2015 NA seafood show |

| | | |
|---|--|----------------|
| | implementation Meeting with MMAF updating FIP progress | Dec 2016 |
| Communication and Promotion | | |
| Update Progress report in the available industry website | Progress up to date in website | July, Dec 2016 |
| Outreach and awareness | FIP is presented in seafood shows | Mar 2016 |