

Individual Final Report for Comprehensive Tsunami Disaster Prevention Training Course

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After finishing Comprehensive Tsunami Disaster Prevention Training Course in Japan, the first step I will try to disseminate system and mechanism tsunami countermeasures and prevention that had been developed in Japan to disaster society stakeholders actually for institutional government. Because I think Indonesian society didn't really understand as a whole about tsunami countermeasures yet. This disseminated will be included in tsunami disaster mitigation workshop which organized by Sub-Directorate Coastal Disaster Mitigation, Directorate of Coastal and Ocean – Ministry of Marine Affairs and Fisheries (MMAF). Depend this workshop can be based to decide location for develop coastal forest in coast of West Sumatera.

I choose this activity because my job description is rehabilitate of coast area that has destroyed caused by natural hazard or human activity. Actually we have planted mangrove tree on many of coast in Indonesia cooperated with provincial office of marine affairs and fisheries. Besides that I will join and participating in greenbelt development program on Sub-Directorate Coastal Disaster Mitigation. After plant mangrove to build greenbelt on coast, the program will continue with arrangement tsunami hazard map in location behind mangrove rehabilitation area, this will be held on second years.

In Indonesia country reports, I take part of coping capacity that is include coordinated information dissemination, hard structure by coastal forestry, and tsunami hazard map. The other reason I take coastal forestry is this structural relatively cheaper than build embankment, seawall or tsunami gate. And this program is possible developed with invite community participation. Otherwise a lot of coast area in Indonesia, the mangrove ecosystem has destroyed by illegal logging and for aquaculture; it caused sea water can changed soil water. In the tsunami perspective, if tsunami come there is no protection to decreased impact by tsunami.

Besides coastal forestry, in vulnerable tsunami area that is need more develop tsunami hazard map and evacuation map to give information for society if tsunami happened. Evacuation map will arrange by community and issued by district authority. In this activity I will join with program conducted by Sub-Directorate Coastal Disaster Mitigation. The tree diagram of PCM will be showed in picture 1 as follows.

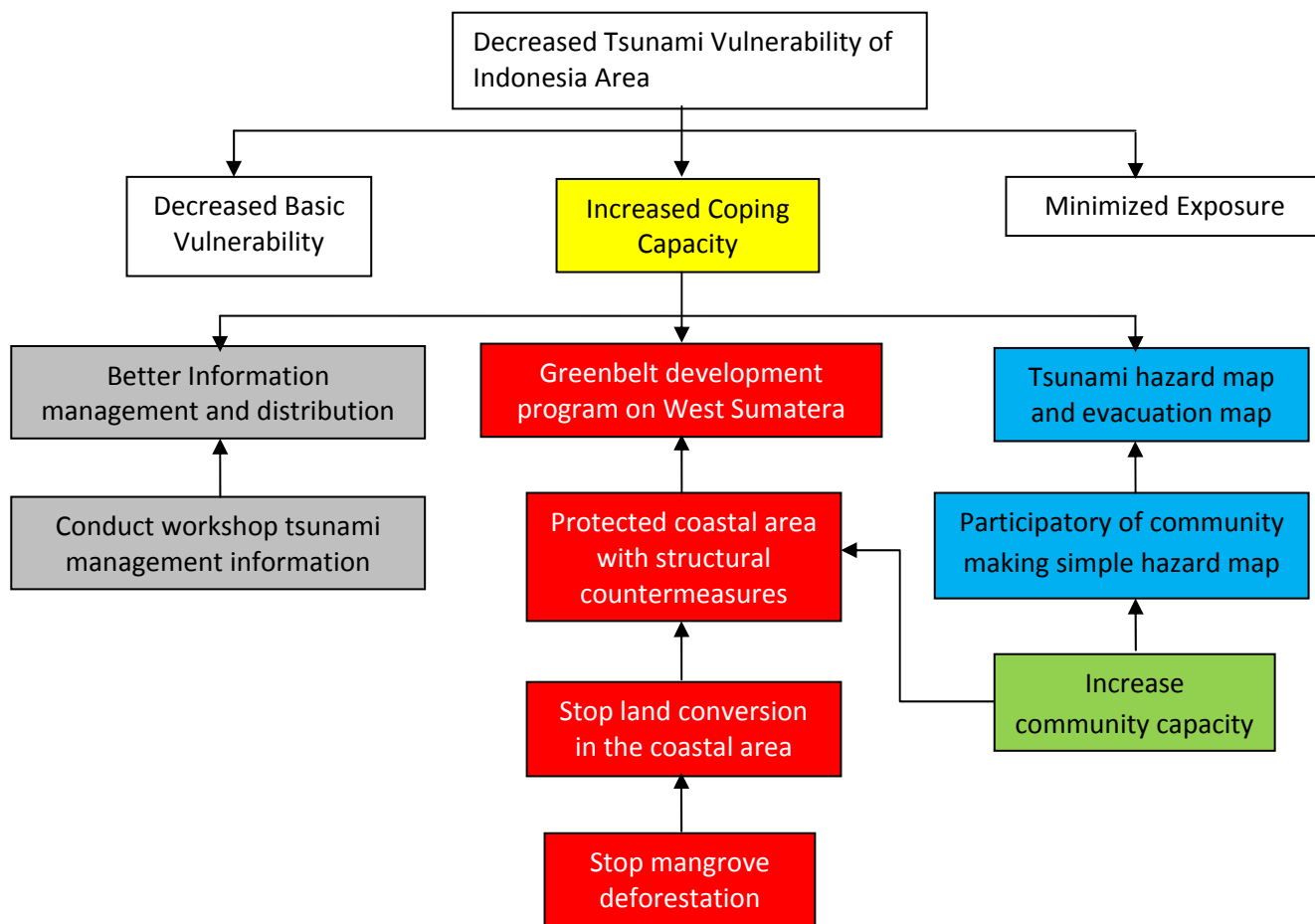


Fig 1. The tree diagram of Project Cycle Management (PCM)

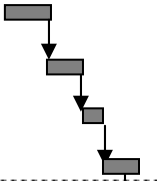
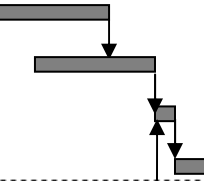
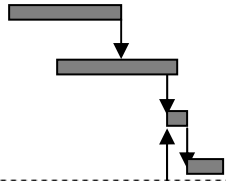


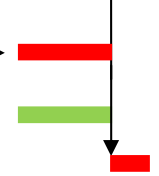
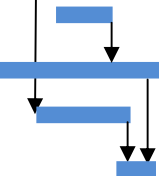
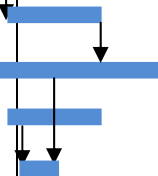
Based on diagram, that can see if I take issue about better information management and distribution, greenbelt development program, and tsunami hazard map to support increased coping capacity. Increased community capacity must build for use community can participate to develop simple hazard map and evacuation map also to participate in rehabilitation for greenbelt development program.

To execute this program I have arrange the schedule in one year planning and three years progress. The first thing I will do workshop on fourth weeks in August 2008, after that continue with planting of mangrove program from September 2008 until February 2009. Maintenance of mangrove is putted into three years after. Development tsunami hazard map will be conduct at February – March 2009. The process of program schedule by October and within one or two year clearly explain in Table 1 and 2 as follows.

Table 1. Schedule progress of program activity by one years.

Activities	In charge	July	Aug	Sept	Oct	Nov	Des '08	Jan '09	Feb	March	April	May	June
1. Dissemination of tsunami prevention by coastal forest • Stakeholder & locate select • Preparation of workshop materials • Implementation • Evaluation													
2. Planting of mangroves • Condition survey of coastal • Dissemination to local gov • Preparation of seedling • Planting of mangroves • Capacity building of commu • Maintenance short term • Monitoring and evaluation													
3. Maintenance of mangrove and develop tsunami hazard map • Develop maintenance mechanism • Maintenance (long term) • Development tsunami hazard map • Monitoring and evaluation													

Table 2. Schedule progress of program activity by three years

Activities	In charge	1st year	2nd Year	3rd Year
1. Dissemination of tsunami prevention by coastal forest & project result <ul style="list-style-type: none"> • Stakeholder & location selection • Preparation of workshop materials • Implementation • Evaluation 				
2. Planting of mangroves <ul style="list-style-type: none"> • Condition survey of coastal • Planting of mangroves and replication • Capacity building of group community • Monitoring and evaluation 				
3. Maintenance of mangrove and develop tsunami hazard map <ul style="list-style-type: none"> • Develop maintenance mechanism • Maintenance (long term) • Development tsunami hazard map • Monitoring and evaluation 				
< In put > <ul style="list-style-type: none"> • Personnel • Equipment & materials • Budget 		