

# **EMPOWERMENT COASTAL COMMUNITIES IN ANTICIPATION POTENTIAL HYDROMETEOROLOGICAL DISASTERS (A CASE STUDY IN INDONESIA AND MALAYSIA)**

**by Nurul Khotimah, Nurhadi, Sri Agustin Sutrisnowati, Nasir bin Nayan, Erdy Winarjo, Bayu Putra Pratama**

## **ABSTRACT**

Coastal areas in Bantul, Indonesia and Johor, Malaysia as research sites have the potential for hydrometeorological disasters. This study aims to: (1) determine the potential for hydrometeorological disasters in the coastal areas, (2) determine the vulnerability condition of coastal communities to threat of hydrometeorological disasters, (3) arrange community empowerment strategy for hydrometeorological disaster risk reduction in the coastal areas.

This research is quantitative descriptive research. The population in this study were all farmers communities living in the coastal areas of the two research areas. The sample of this research is the farmers community that participates in the disaster preparedness community. Sampling in Bantul and Johor was carried out purposively. Research data were collected through observation, interviews, and documentation. The data that has been collected will then be analyzed and described.

The results show that: (1) The potential for hydrometeorological disasters on the coastal of Bantul, Indonesia are floods, landslides, strong winds, tidal waves, and drought, while on the coastal of Johor, Malaysia are floods, strong winds, and tidal waves, (2) the vulnerability conditions of coastal communities in Bantul, Indonesia and Johor, Malaysia to threat of hydrometeorological disasters is categorized as moderate to high. Natural and anthropogenic factors are factors that cause hydrometeorological disasters in the two research areas, (3) community empowerment strategies for hydrometeorological disaster risks reduction on the coastal of Bantul, Indonesia and Johor, Malaysia are to adapt. Adaptation efforts carried out are expected to realize sustainable coastal management in the two research areas to support the fulfillment of the needs of the farmers community.

*Kata Kunci: Empowerment, Coastal, Communities, Disaster, Hydrometeorological*