

# ADAPTIVE CAPACITY OF CENTRAL JAVA NORTH COASTAL COMMUNITIES FACING CLIMATE CHANGE: A CASE STUDY IN TULIS DISTRICT, BATANG DISTRICT

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## ABSTRACT

Kecamatan Tulis Batang Regency is a coastal area that is vulnerable to the impacts of climate change. The adaptive capacity of the community needs to be improved to deal with the impacts of climate change. The research objectives were to: (1) assess the adaptive capacity of the coastal community of Tulis Subdistrict in facing climate change, (2) the adaptive form of the coastal community of Tulis Subdistrict in dealing with climate change, (3) formulate the efforts that need to be made by the coastal community of Tulis District to increase adaptive capacity .

This research uses descriptive quantitative method. The research location was determined purposively, representing the characteristics of the coastal areas in the north coast of Central Java. Adaptive capacity will be assessed using physical, social and economic variables. Data collection techniques are carried out through observation, interviews with questionnaires, and documentation. The data that has been collected is then analyzed descriptively.

The expected results of the analysis are to produce a description of: (1) The adaptive capacity of the coastal community of Tulis Subdistrict in dealing with climate change: seen from physical factors (gender and age) are in the high category, seen from social factors (education) and economic factors (income ) are in the middle category, (2) Forms of adaptive capacity of the coastal community of Tulis Subdistrict in dealing with climate change, namely by elevating houses, planting mangroves, spraying leafhoppers, fencing fields to keep mice away, planting various crops, fertilizing, catching fish with nets, and harvesting ponds without emptying the ponds, and (3) Efforts that need to be made by the coastal community of Tulis Subdistrict to increase adaptive capacity: carry out institutional coordination between the village-hamlet-joint group of farmers-head of the fishermen association.

*Kata Kunci: adaptive capacity, adaptive capacity form, adaptive capacity building efforts*