

ABSTRACT

Adha, I., 2008. *Geology of Karanggetas, Tanggungharjo district, Grobogan regency, Central Java Province*. Geological Mapping Report, Unpublished, Geological Engineering Department, Engineering Faculty, Diponegoro University, Semarang, Central Java, Indonesia.

Geological mapping is a basis in geological sciences practice includes the basic sciences of geology, such as geomorphology, Stratigraphy and geological structure, which really need to master the geologists. Which will be developed in various applications such as determining the potential for geological mapping in the region. The method is carried out in geological mapping of survey methods and descriptive methods in the search field data. Then analyzed based on aspects of geomorphology, Stratigraphy aspects, and aspects of geological structure. The method is also used in the literature to support the understanding and interpretation of field data. Karanggetas and surrounding areas, District Tanggungharjo, Grobogan district, Central Java, an independent regional geological mapping which has units of geomorphology of structural units bentuklahan denudation and fluvial bentuklahan units. Its stratigraphy composed of sandstone units, carbonaceous claystone units, limestone units, and units of alluvium. Geological structures found in the area of fault turns and anticline happens when Pleistocene, and the dissonance caused deposited of alluvium deposits. georesources existing in the area of water resources and the mining of sand, whereas geological disasters that may occur in the form of landslide prone and soil movement, but most landslide-prone areas have beentackled.

Keywords: geological mapping, Karanggetas, geological conditions

