

**GEOLOGI OF KEDUNGWINONG, SUKOLILO DISTRICT, PATI REGENCY,
CENTRAL JAVA PROVINCE
(Sheets of map : 49/XXXXIX-n (85-n) and 49/XXXXIX-o (85-o))**

Destiasari, F.,(2009), *Geologi of Kedungwinong, Sukolilo District, Pati Regency, Central Java Province*, Geological Mapping Report (unpublised), Geological Engineering Program, Faculty of Engineering, Diponegoro University.

Mapping area is located in the area Kedungwinong, Sukolilo district, Pati regency, Central Java Province. This area includes in the North Kendeng zone that is composed by the Bulu Formation. The Unit of geomorphology in this area are unit of alluvial karst terrain, steep hills units of cone karst, and the unit of cone karst hills which has drainage pattern of parallel drainage pattern. Units of stratigraphy are carbonaceous sandstone unit, limestone units, coral limestone unit and alluvium unit. Geological structure in the form of shear, Pacul normal faults, Grojogan normal faults, and trust fault Kedung winong as well. Mapping regional geologic history begins with precipitated of carbonaceous sandstone unit in transition area to inner shelf and the age is in N10-N12. Then there was a transgression wich limestone units deposited in the age of N13-N16 and sediment deposition in the environment of transition until the middle shelf. Tectonic style of working in this area led to the formation and Fault of Kedungwinong and fault of Pacul as well. On top of limestone units deposited the coral limestone in N17-N18 of sediment deposition in inner shelf environments. After the deposition of these rock units occur again tectonic activity due to Grojogan Fault. Then proceed with the events that led to the appointment of the exposed rock units. Afterward, in this region did not experience rock deposition but exogenic processes deposited alluvium unit above the coral in unconformities ways. Exogenic activity continue occurs until present days. Georesources of this area are limestone, springs and clay material for bricks. Geological disasters is ground movement.

Keywords: Mapping geology, geomorphology, Stratigraphy, geological history