

GEOLOGI DAN PENENTUAN KUNCI FOTO GEOLOGI DESA CATURHARJO DAN SEKITARNYA, KECAMATAN SRANDAKAN, KABUPATEN BANTUL, DIY

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ABSTRACT

The location of this study is administratively located in the village of Caturharjo and nearby, Srandakan subdistrict, Bantul district, Province of Yogyakarta Special Region. Astronomically the research area is located at 416000mE - 422500mE (West-East) and 9126000mN - 9117625mN (South-North) UTM WGS 1984 (Universal Transverse Mercator). The research area is 8 km x 6 km with a scale of 1: 12,500.

The pattern of the stream in the study area is the subdendritic flow pattern. The geomorphological units in the study area are divided into three original formations which are divided into seven landforms, namely: alluvial plains (F1), river bodies (F2), riverbanks (F3), flood plains (F4), natural levee (F5), volcanic fluvio plain (V1) and denudational hill (D1). The stratigraphy in the research area is the Sentolo limestone-clastic formation and two sediment units, the alluvial deposit and the Merapi volcano deposit.

Geological photo keys are determined to be geomorphological, stratigraphic and limited lithology photo keys. There are indications of the collapse of the ancient natural levee which was observed from the alignment of the imagery and landsat as well as the results of interpretation and data in the field.

Keywords: Geological photo key, Natural levee

ABSTRAK

Lokasi penelitian ini secara administrasi berada di Desa Caturharjo dan sekitarnya, Kecamatan Srandakan, Kabupaten Bantul, Provinsi Daerah Istimewa Yogyakarta. Secara astronomis daerah penelitian terletak pada 416000mE - 422500mE (*West-East*) dan 9126000mN - 9117625mN (*South-North*) UTM WGS 1984 (*Universal Transverse Mercator*). Luas daerah telitian 8 km x 6 km dengan skala 1:12.500.

Pola pengaliran di daerah penelitian yakni pola pengaliran subdendritik. Satuan geomorfologi di daerah penelitian dibagi menjadi tiga bentukan asal yang terbagi dalam tujuh satuan bentuklahan, yaitu: dataran alluvial (F1), tubuh sungai (F2), gosong sungai (F3), dataran limpah banjir (F4), tanggul alam (F5), dataran fluvio vulkanik (V1) dan perbukitan denudasional (D1). Stratigrafi di daerah penelitian yakni Satuan batugamping-klastik Sentolo serta dua satuan endapan, yaitu endapan aluvial dan endapan gunungapi Merapi.

Kunci foto geologi ditentukan menjadi kunci-kunci foto geomorfologi, stratigrafi dan litologi terbatas.

Terdapat Indikasi Jebolnya Tanggul alam Purba yang diamati dari kelurusan pada citra dan landsat serta hasil interpretasi dan data di lapangan.

Kata kunci: Kunci foto geologi, Tanggul alam