ABSTRACT

This final project due to build a geographic information system about mud flow disaster which is occured in Sidoarjo based on WAP. This systems perform an information that represent the effect of Sidoarjo Mud Flow Disaster on various aspects of life such as industry, education, healthy and other social life.

Satellite data and all documents which is extracted from many kind of resources then processed with Geography Information System's approach (GIS's approach) until it produces information to be considered in taking a policy to overcome post-mud overflow.

Using Geography Information System (GIS) will make easier to analyze the existing data like impact area data, transportation band data, and early warning system. GIS also helps in showing the spreading data position in the real world. Sequence stage of process which is took are pre-processing, data conversion and database querying. Since this application run on WAP, the suitable technology are Apache as web server, wml and php as the builder system and MySQL as database.

Keyword: *Geographic Information System, sidoarjo mud, WAP.*