

ABSTRACT

The geological agency has a central division of groundwater and environmentalgeology. The groundwater center is one of the institutions that has the task of monitoring groundwater sources in Indonesia. The data from groundwater monitoring system is not processed for publication. The method in making the Gerai Web Application uses object-oriented methods using the Waterfall model in application development. The method of collecting data used is observation and interview. The author uses tools and workmanship techniques such as use case diagrams, class diagrams, sequence diagrams and entity relationship diagrams (ERD). The manufacturing process using sublime software, web browsers with CSS programming languages, PHP, MySQL databases and Apache web servers. Groundwater sources information is needed to prevent drought in the dry season and drilling boreholes in a random manner by the community. This is the background of the author in developing groundwater monitoring web-based application. So that it could be easily and quickly to publishing information and access the application.

Keywords: geological agency, Web Application, Monitoring of groundwater sources, geological bodies, publications.