ABSTRACT

The potential of groundwater and public mining in East Java requires a sustainable management. Geographic Information System (GIS) display spatial data and attributes that are inside of them GIS. The system is designed to provide data information of Ground Water and Public Mining in the area of East Java in a practical and systematic.

Development of GIS has now led to the virtual world of Web GIS. Using its methods of database preparation and manufacture of WEB GIS and using the data of Ground Water and Public Mining will provide information and inventory data that can be used for public mass.

The results of Groundwater Data Inventory and the Public Mining in East Java has 18 regencies that has the same potential of Minerals Potential, where the most potential is in Pacitan and district that has the least potential is in Madiun, Situbondo, Bangkalan and Sampang. Then the Potential of ground water basin contained in 17 regencies in East Java, in which the district has the same amount potential of ground water basin that is about 2 to 3 Ground Water Basin Potential and there is only one district that has one Ground Water Basin potential is Pasuruan Regency.

Key words: Geographic Information Systems, Inventory, Web GIS.
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