

## ABSTRACT

Rembang district has non metallic minerals and rocks, mostly non metallic mineral and rock are excavated materials and construction industry spread over several sub-district. Pay attention to the amount of resource, quality and value of its usefulness, there are some non metallic minerals and rocks that have the potential to do cultivation and development.

Non metallic minerals and rocks contained in the district of Rembang, among others: sandstone, phosphate, kaolin, calcite, dolomite, soil uruk, tras, sandy limestone, andesite, clay, quartz sand, and limestone, spread over 14 sub-districts. Minerals are quartz sand in the east districts of Rembang and spread across two sub-districts, sub-districts Sedan and Sarang.

Quartz sand resources are limited by factors of protected areas and cultivated area is determined by the government based on the spatial pattern map. Map potential resources of quartz sand in the Rembang districts obtained by overlaying between quartz sand sediment distribution maps, map spatial patterns, map mining areas, then the resulting distribution maps quartz sand mining region, and overlaid with a topographic map. The results of the fifth map overlay is made into a map that maps the resources potential of quartz sand in the district of Rembang. Assesment of the resource potential of quartz sand using coordinates with the aid program autoCAD. Potential resources of quartz sand in the district of Rembang for 174.142.594,9 ton