

ABSTRAC

PT. Sugih Alamanugroho is a company which has a job in field of mining. This Company started to operate since 1992. Placed in limestone mining area PT. Sugih Alamanugroho in Gunung Sidowayah, Gunungkidul residence. The mining system of the company is using surface mining by Quari Methode.

By the mining activities in research area, will has some impacts in degradation of Environment especially the damage of top soil caused of pruning activity, noisy and in crease in dust.

The maximum of noisy occur in production factory location, which is 80,02 dBA, as well as the increase in dust by 1,57 mg/m³. The noisy and the increase in dust are come from the heavy equipments which are used in mining activity (loading, unloading, transport) processing as well.

Beside the increase in dust, the damage of land also cannot be afforded from the mining activities. Mined fields in researchers area has the height of 11 meters and also the tilt which almost in 90°. Depend to the Yogyakarta Governor conclusion No. 63 in 2003, the height and the tilt of the Mined fields in researchers area is a poor criteria.

For minimizing the impacts of dust increasing and noisy increasing, the workers should wearing the mask, ear plug and helm safety during be on duty. By that case, the company should provide those equipment.

The regulation of Mined fields is appropriate impelented by the condition of topography, the type of soil and climate. The condition of land topography PT. Sugih Alamanugroho's is flat land, non steep land and steep land characteristic. Following landscaping which has done in reclaimed by PT. Sugih Alamanugroho:

a. Soil landscaping

Soil landscaping is implemented for ease the revegetation process. The planting hole size which applied in reclamation soil landscaping activity PT. Sugih Alamanugroho's is 80 cm x 80 cm x 80 cm. The distance between the plant which is applied 2,5 m x 2,5 m step by step.

b. Backfilling of mined land

Hoarding in mined fields by using low grade limestone.