

ABSTRACT

Limestone mining by PT. SugihAlamanugroho located in the BedoyoVillage, District Ponjong, GunungKidul, Yogyakarta Special Region. Mining activities that have been done include: clearing, overburden stripping, dismantling, loading and transporting. All these activities will lead to positive and negative impacts of the adverse local conditions. To prevent further negative impact, after the mining is done landscaping and reclamation efforts are planned.

Under conditions of mined land and adapted to the existing layout, then landscaping mined designated as production forest area. To support the landscaping, the condition of the land must be fixed first is the arrangement of the slope, redistributed overburden stockpiles, to replant (*revegetation*).

The problems that arise in the former mining land in PT. SugihAlamanugroho is on some land that had been laid out still negatively impact one of them is still soil erosion, which is due to the failure to apply the appropriate method or system for soil erosion control activities. Based on the amount of erosion in the study of mined land in the amount of 15.92 tonnes / ha / year and can be included in the category of mild erosion. However, there needs to be a method for controlling erosion, so erosion impacts are not greater, considering the limestone mined area directly adjacent to agricultural land / plantation nearby residents.

One such system for erosion control is a way of making the patio and then performed revegetation. Terrace systems that can be applied to landscaping on mined land in PT. SugihAlamanugroho is a way of making patio bench with a slope of 30% which is intended as an addition to land for revegetation activities are expected to work to reduce the rate of erosion.

Revegetation system that can be done is by making holes for planting / potting, it is applied because given the limitations of the amount of top soil (top soil) that exist. For the selection of crop plants can be chosen according to compatibility with existing conditions, then the selected Jatiplant. In an effort to control plant watering, replanting and fertilizer on a regular basis, so that it can be successful revegetation activities and in accordance with what is expected. And one of his goals is to control erosion in the limestone mined at PT. SugihAlamanugroho.