

**LAND DAMAGE LEVEL DUE TO THE SAND MINING ACTIVITY
IN THE SUMBER VILLAGE, DUKUN DISTRICT,
MAGELANG REGENCY, CENTRAL JAVA PROVINCE**

By
Rudi Wibowo
114090043

ABSTRACT

Activity of sand mining in the Sumber Village, Dukun District, Magelang Regency, Central Java Province changes the landuse, the landscape, and without government monitoring harms the environment and so the people who live around the mining activity. This research aim to determine the level of land damage caused by sand mining and guidance of land management for post-mining in accordance with applicable legislation.

The research method based on parameter of physical environment damage were measured and observed. Example of measured parameters are relief of excavation base, slope of excavation cliff, and the height of excavation wall. Example of observed parameters are topsoil utilization, excavation border, condition of holey road.

The results showed that the level of land damage are categorized on the 0,46 Hectare (Ha) moderate land damage with 18% from the whole area and 4,21% Hectare (Ha) severe land damage with 82% from the whole area. Based on these results, effort should be made management of land use by the declivity with bench, bench terracing for degraded land, and then re-vegetation with aisle cultivation system in the research location.

Keywords: Land damage, Sand mining, Land use management.