

Land degradation of urban area of fluvio volcanic plain (case study of Yogyakarta urban area)

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Abstrak

Human activities in urban land will modify the original landforms by cut and fill, and compaction of the land surface. Due to human activities, geomorphological process will be more active and might be able to deteriorate the physical environment in urban area. This research is aimed to study the geomorphological characteristics in relation to the land degradation of Yogyakarta's urban area. Observation is used in this research. Sample areas for field observation and measurement re based on landform unit and urban land use. Descriptive-qualitative analysis will be used to correlate the landform unit characteristics and land cover of urban area. The result of this study shows that the land degradation of Yogyakarta urban area is caused by erosion of land surface in the settlement areas, erosion on road segments, deposition on the road segments and drainage channels, inundation on the roads and mass movement of the river banks.