

The contribution of aerial photographs in evaluation of Bribin catchment area, Gunung Kidul, Yogyakarta, Indonesia

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Abstrak

This article presents findings of the research carried out in Bribin catchment, Gunung Kidul Regency, Yogyakarta Special Province, Indonesia. The research aims at finding out how aerial photographs help in evaluating the characteristics of karst hydrology in the study area, and also to identify ways of preserving limestone karst topography within the study area. In this study, the researcher used remote sensing techniques with SPOT images, and panchromatic as well as infrared aerial photographs scaled at 1 : 50,000 and 1 : 30,000 respectively. Field work was also employed in primary data collection. To identify the hydrologic potential phenomena that need to be preserved, spatial and qualitative analysis methods were used.