

Geologic soil mapping with SPOT in the Wonosari area

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Abstrak

Stereoscopic SPOT P and monoscopic SPOT XS data were tested for assessing the SPOT capability for geologic and soil mappings in Indonesia, down to 1:50,000 and 100,000 scales. Methodological approaches for spatial and spectral analysis of SPOT images are briefly discussed and illustrated. The operational SPOT capability was tested with the geologic soil mappings of Wonosari from monoscopic SPOT XS data. Generally speaking, results are compared well with mappings from 1:50,000 infrared aerial stereo-pairs. The paper concludes that SPOT has the potential of a major data source for operational small/medium scale geologic and soil surveys in Indonesia.