

# **TROPICAL BIODIVERSITY MAPPING FROM HYPERION IMAGE IN BOGOR INDONESIA**

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## **ABSTRACT:**

Hyperspectral remote sensing is increasingly used for many applications, and one of them is biodiversity mapping. common used data are MODIS and other low resolution satellite images, which have been freely accessed and obtained, while the use of medium resolution hyperspectral images was rare, until mid 2009 when EO-1 Hyperion was declared free. This has motivated some studies to make first step,of ambitious project: tropical biodiversity mapping. As tropical country with rich biota, biodiversity mapping is very important in Indonesia. a terrestrial spectrometry completed the data for deeper analysis. This papera biodiversity map will be derived from EO-1 Hyperion data over Bogor Botanical Garden. The area covers about one kilometer square. The study shows that there is a need for building better tropical spectral library.

**TOPIC:** Multi-spectral and hyperspectral remote sensing

**ALTERNATIVE TOPIC:** Remote sensing applications