ANALYSIS OF LIDAR DATA FOR RICE FIELD AREAS

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Abstract: The difficulty of reaching large vegetation cover and indentifying its parameter is a challenge to get accurate agricultural information.Basic of physics concept for applied by remote sensing as lidar are a relationship with light speed,wavelength, and frequency that usually used to describe travel energy in the sinusoidal wave form. Wavelength of elektromagnetic wave can show optical reflectance of the lidar data which used to analyze the age of paddy.we analyze aerial photo and point cloud of lidar data from the NEST Software and Fugro-viewer recpectively by using simple basic physics theory.The result of analysis is comparing withsatellite datawhichindicated the correlation between the levelgreenishandtheage of paddy. Based on that method suspected that more amount of the reflected wavelength, the lower level of greenish or the other word it can be said the age younger of rice field age.
Keyword**:**Lidar data, Wavelength, paddy, rice