
Examination of activity evaluation method of *Zoysia matrella* Merr. using Normalized Difference Vegetation Index (NDVI)

Saya HOJO, Hiroshi HATA and Yutaka IKEDA

In order to utilize the Normalized Difference Vegetation Index (NDVI) for greenary management associated with buildings, we examined the applicability of NDVI images for *Zoysia matrella* Merr., which is often used for greening. As a result, the NDVI average value of the 1m² section calculated from the NDVI element images was constant under different solar radiations by correcting the reflectance, fixing the aperture value, and ISO sensitivity. In addition, the information obtained from the NDVI tended to be in harmony with the RGB image (visual color information and average green color value). These results indicate that the NDVI image could be applied to the quality evaluation of *Zoysia matrella* Merr.