

Komunikasi Ringkas

**JUMLAH TRAKEA PADA DAUN
Ludwigia adscendens (L.) Hara DALAM KONDISI TERGENANG :
SEBUAH GEJALA PLASTISITAS ANATOMI**

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ABSTRACT

*This study was conducted to reveal the influence of waterlogging on the number of tracheas in each vascular bundle of **Ludwigia adscendens** (L.) Hara leaf. This plant is well known as aquatic weed which can grow floating on water surface. The leaf primordium extend across the water from 10-15cm below water surface.*

The plant was grown in aquarium at 0, 10 and 15 cm of water depth. The observed leaves were first, third and fifth from the base. Anatomical structure were analyzed using serial cross sections of the leaf. The cross section were made by paraffin method. The data were analyzed using ANOVA and DMRT methods.

The results showed that significance difference on the number of tracheas in each vascular bundle were found among leaves of different depth.

Keywords: *Ludwigia adscendens; Waterlogging; Trachea.*