Induksi Organogenesis Anthurium Wave of Love (*Anthurium plowmanii*) secara In Vitro

(Organogenesis Induction of Anthurium Wave of Love (*Anthurium plowmanii*) in vitro)

Nurul Khumaida[1], Riyanti Catrina H S[2], dan Dewi Sukma[1]

[1] Staf Pengajar Departemen Agronomi dan Hortikultura, Faperta IPB
[2] Mahasiswa Departemen Agronomi dan Hortikultura, Faperta IPB

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ABSTRACT

Anthurium plowmanii is one kind of leaf aesthetic ornamental plant which is belong to horticulture industry. It has been became a trend in the middle of 2006 until the beginning of 2008. Anthurium wave of love has a unique characteristic including long leaf with form like wave in the border side. The aim of this research was to analyze the effect of basic media composition and BAP with the interaction on organogenesis of Anthurium through in vitro culture. Young shoot in vitro of Anthurium was used as an explants. Three basic media composition including MS, ½MS, and hyponex and combination with 0.00 µM BAP, 2.22 µM, 6.66 µM, and 13.32 µM were used as treatments. The result of research showed that combination of treatment MS + 6.66 µM BAP and ½MS + 13.32 µM BAP could produce 10.4 and 10.3 shoots respectively, which were better comparing to other treatments. Media MS + BAP 13.32 µM could decrease the time of first shoot emergence. This media very valuable to induce shoot multiplication of Anthurium plowmanii.