

## INTISARI

Penelitian ini bertujuan untuk mengkaji pengaruh penambahan kulit pisang Ambon pada medium pupuk daun dan konsentrasi yang tepat terhadap pertumbuhan krisan secara kultur *in vitro*. Penelitian dilaksanakan pada Bulan Desember 2018 hingga Februari 2019 di Laboratorium Kultur *in vitro*, Fakultas Pertanian, Universitas Muhammadiyah Yogyakarta.

Penelitian dilaksanakan dengan metode eksperimen faktor tunggal dengan 8 perlakuan dan masing-masing memiliki 3 ulangan. Setiap ulangan terdiri atas 3 sampel sehingga ada 72 unit yang disusun menurut Rancangan Acak Lengkap (RAL). Perlakuan yang dicobakan yaitu multiplikasi krisan pada media pupuk daun yang ditambahkan air kelapa dengan penambahan kulit pisang Ambon diantaranya kulit pisang dalam 50 g/l dan 100 g/l; kulit pisang luar 50 g/l dan 100 g/l; kulit gabungan 50 g/l dan 100 g/l.

Hasil penelitian menunjukkan bahwa media dengan penambahan kulit pisang Ambon gabungan 50 g/l pada medium pupuk daun dan air kelapa dapat memberikan pertumbuhan tinggi tanaman tertinggi pada tanaman krisan yaitu 4,38 cm dan saat tumbuh akar tercepat yaitu 7,78 hari setelah tanam.

Kata kunci : Perbanyak mikro, *Chrysanthemum*, kulit pisang Ambon, kultur jaringan.

## **ABSTRACT**

*The aim of this study was to examine the effect of adding Ambon banana peel on leaf fertilizer medium and the right concentration on chrysanthemum growth in vitro. The study was conducted in December 2018 to February 2019 in the in vitro Culture Laboratory, Faculty of Agriculture, Universitas Muhammadiyah Yogyakarta.*

*The study was conducted with a single factor experimental method with 8 treatments and each had 3 replications. Each replication consists of 3 samples so that there are 72 units arranged according to a Completely Randomized Design (CRD). The treatments that were tried were multiplication of chrysanthemum on leaf fertilizer medium which added coconut water with the addition of Ambon banana peel including banana peel in 50 g/l and 100 g/l; outer banana peel 50 g/l and 100 g/l; combined peel 50 g/l and 100 g/l.*

*The results showed that the addition of Ambon banana peel combined with 50 g/l in leaf and coconut water in leaf fertilizer and coconut water medium could provide the highest growth of plant height in Chrysanthemum which was 4,38 cm and the fastest root growth which was 7,78 days after planting.*

*Key words: Micro propagation, chrysanthemum, Ambon banana peel, plant tissue culture.*