

**PENGARUH VARIASI MEDIA MURASHIGE DAN SKOOG (MS)
TERHADAP MORFOGENESIS ANDALIMAN (*Zanthoxylum
acanthopodium* DC.) SECARA *IN VITRO***

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ABSTRAK

Pada penelitian ini bertujuan untuk mengetahui pengaruh variasi media Murashige Dan Skoog (MS) terhadap morfogenesis andaliman (*Zanthoxylum acanthopodium* DC.) secara in vitro. Penelitian ini dilakukan di Laboratorium Kultur Jaringan Fakultas Pertanian Universitas Asahan, Kisaran. Metode penelitian yang digunakan adalah Rancangan Acak Kelompok (RAK) 1 faktorial dengan 5 taraf perlakuan yaitu : A (Murashige and Skoog (MS)), B (MS + BA 0,5 gr), C (MS + BA 1 gr), D (MS + BAP 1,5 MS + IAA 1 gr), E (MS + Thiamin 0,5 gr). Hasil penelitian menunjukkan bahwa hormon auksin memberikan pengaruh nyata terhadap jumlah eksplan andaliman yang hidup dan vitamin B1 memberikan pengaruh nyata terhadap jumlah eksplan tunas andaliman.

Kata Kunci : Andaliman (*Zanthoxylum acanthopodium*), Indole Acetic Acid (IAA), 6-benzylaminopurine (BA), Vitamin B1.

**Effect of MS (Murashige and Skoog) Media Variation
on Andaliman Morphogenesis (*Zanthoxylum
acanthopodium* DC.) *In Vitro***

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ABSTRACT

In this study aimed to determine the effect of MS (Murashige and Skoog) media variation on morphogenesis of andaliman (*Zanthoxylum acanthopodium* DC.) *In vitro*. This research was conducted at the Asahan University Faculty of Agriculture's Tissue Culture Laboratory, Kisaran. The research method used was factorial Randomized Block Design 1 with 5 treatment levels, namely: A (Murashige and Skoog), B (MS + BA 0.5 gr), C (MS + BA 1 gr), D (MS + BAP 1.5 MS + IAA 1 gr), E (MS + Thiamin 0.5 gr). The results showed that the administration of auxin hormone have a significant effect on the number of live andaliman explants and vitamin B1 had a significant effect on the number of explants sprouting andaliman plants.

*Keywords: Andaliman (*Zanthoxylum acanthopodium*), Indole Acetic Acid (IAA), 6-benzylaminopurine (BA), Vitamin B1.*

