

**PERTUMBUHAN BAYUR (*Pterospermum javanicum* Jungh.) HASIL
PERBANYAKAN STEK PUCUK PADA MEDIA BEKAS TAMBANG BATU
KAPUR DENGAN PEMBERIAN SOIL CONDITIONER
UBUR-UBUR (*Aurelia* sp.)**

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ABSTRAK

Penelitian tentang “Pertumbuhan Bayur (*Pterospermum javanicum* Jungh.) Hasil Perbanyakkan Stek Pucuk Pada Media Bekas tambang Batu Kapur dengan Pemberian *Soil Conditioner* Ubur-Ubur (*Aurelia* sp.) telah dilakukan dari bulan Oktober sampai Desember 2016 di Rumah Kaca dan Laboratorium Fisiologi Tumbuhan, Jurusan Biologi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Andalas, Padang. Tujuan dari penelitian ini adalah mengetahui pengaruh pemberian *soil conditioner* Ubur-Ubur terhadap pertumbuhan bibit Bayur (*Pterospermum javanicum* Jungh.) hasil stek pucuk pada media bekas tambang batu kapur. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan lima ulangan dan lima perlakuan (Kontrol, 10 g, 30 g, 50 g, dan 70 g). Hasil penelitian menunjukkan bahwa pemberian *soil conditioner* Ubur-ubur memberikan pengaruh berbeda nyata terhadap pertumbuhan bibit hasil stek pucuk Bayur. Pertumbuhan bibit Bayur menurun dengan dengan peningkatan dosis *soil conditioner* Ubur-ubur.

Kata Kunci: *Pterospermum javanicum*, Media bekas tambang batu kapur, *soil conditioner* Ubur-Ubur.



ABSTRACT

The reseach about “The growth of Bayur (Pterospermum javanicum Jungh.) propagated by shoot cutting method on post limestone mining added jellyfish (Aurelia sp.)” as soil conditioner has been conducted from October to December 2016 in Green House and Plant Physiology Laboratory of Biology Department, Faculty of Mathematics and Natural Science, Andalas University. The aims of the reseach was to find out the effect of addition Jellyfish as soil conditioner on growth of Bayur (Pterospermum javanicum Jungh.) propagated by shoot cutting method on post limestone mining. The research used Completely Randomized Design (CRD) with five replications and five treatments. The treatments were control, 10 g, 30 g, 50 g, and 70 g Jellyfish soil conditioner. The result showed that application of jellyfish as soil conditioner signicantly effect to the growth of seedling of Bayur. The growth of Bayur seddlings decrease with high concentration of jellyfish soil conditioner.

Keywords: *Pterospermum javanicum, Post limestone mining, Jellyfish soil conditioner*



