

**PERTUMBUHAN STEK JAMBU AIR (*Syzygium aqueum* Burm. f. Alston)
PADA MEDIA AIR MENGGUNAKAN BERBAGAI ZPT ALAMI DAN LAMA
WAKTU PENYUNGKUPAN**

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ABSTRAK

Tanaman jambu air Dalhari *Syzygium aqueum* ((Burm. f.) Alston) merupakan tanaman umur panjang asli Indonesia. Perbanyakkan secara vegetatif dengan stek batang bertujuan mendapatkan bibit unggul yang sama dengan induknya secara cepat dan banyak. Penelitian ini mengkaji interaksi pemberian ZPT alami (bawang merah, bawang putih, lidah buaya) dan lama waktu penyungkupan (2, 3, 4 minggu) pada perbanyakkan stek batang. Penelitian menggunakan Rancangan Acak Lengkap (RAL) 2 faktor + 1 kontrol (tanah : arang sekam : pupuk kotoran hewan kambing) dengan Analisis ANOVA 5%, Uji Lanjut DMRT 5%, dan Uji Kontras Orthogonal. Hasil penelitian menunjukkan tidak ada interaksi signifikan antara ZPT alami dan waktu penyungkupan pada semua parameter yang diamati. ZPT alami lidah buaya adalah ZPT Alami paling baik terhadap pertumbuhan jumlah akar dan panjang akar pada media air dan media tanam tanah : arang sekam : pupuk kotoran hewan kambing. Waktu penyungkupan 4 minggu adalah waktu paling baik terhadap jumlah daun dan jumlah tunas pada media air, serta jumlah daun pada media tanam tanah : arang sekam : pupuk kotoran hewan kambing. Uji Kontras Orthogonal menunjukkan perbedaan nyata pada jumlah tunas di media air dan jumlah daun di media tanam tanah : arang sekam : pupuk kotoran hewan kambing.

Kata kunci: *jambu air, stek, ZPT Alami, sungkup*

**GROWTH OF CUTTINGS OF WATER GUAVA (*Syzygium aqueum* Burm. f.
Alston) IN WATER MEDIA USING VARIOUS NATURAL PGR AND LENGTH
OF EXPOSURE**

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ABSTRACT

The Dalhari water guava plant *Syzygium aqueum* ((Burm. f.) Alston) is a long-lived plant native to Indonesia. Vegetative propagation with stem cuttings aims to obtain superior seeds that are the same as the parent quickly and in large quantities. This research examines the interaction of providing natural PGRs (onions, garlic, aloe vera) and the length of exposure time (2, 3, 4 weeks) on the propagation of stem cuttings. The research used a Completely Randomized Design (CRD) with 2 factors + 1 control (soil: husk charcoal: goat manure) with 5% ANOVA analysis, 5% DMRT Advanced Test, and Orthogonal Contrast Test. The results showed that there was no significant interaction between natural PGR and exposure time for all observed parameters. The natural ZPT of aloe vera is the best natural PGR for the growth of root number and root length in water media and soil planting media: husk charcoal: goat manure fertilizer. The covering time of 4 weeks is the best time for the number of leaves and number of shoots in the water medium, as well as the number of leaves in the soil planting medium: husk charcoal: goat manure. The Orthogonal Contrast Test showed a significant difference in the number of shoots in the water medium and the number of leaves in the soil planting medium: charcoal husk: goat manure.

Keywords: *water guava, cuttings, natural PGR, hood*