

**PENGARUH KONSENTRASI DAN LAMA PERENDAMAN
AIR KELAPA TERHADAP PERTUMBUHAN
SETEK VANILI (*Vanilla planifolia*)**
*Effect of Concentration and Duration of Immersion in Coconut Water on
Growth of Vanilla Cuttings (*Vanilla planifolia*)*

Wahyudi

Plantation Crop Cultivation Study Program
Department of Agricultural Production
Program Studi Budidaya Tanaman Perkebunan
Jurusan Produksi Pertanian

ABSTRACT

Vanilla plant (*Vanilla Planifolia*) is one of the introduced plants originating from Mexico and Central America. Vanilla is currently growing rapidly and cultivated in the tropics. This study aims to determine the effect and duration of immersion of coconut water on the growth of vanilla (*Vanilla planifolia*) cuttings. The research used a factorial randomized block design (RBDF) consisting of 2 factors, the first factor was the concentration of coconut water consisting of 4 levels, namely 0%, 30%, 60%, 90% and the second factor the immersion time consisted of 4 hours, namely 3 hours, 6 hours. and 9 hours with 3 replications, the parameters of the observation included the percentage of live cuttings (%), shoot length (cm), number of roots. Wet weight (grams) and dry weight (grams). The results showed that the coconut water concentration had a significant effect on the growth of vanilla cuttings in shoot length, number of leaves, number of roots and wet weight.

Key words: Concentration of coconut water, soaking time, planting vanilla