

**THE INFLUENCE OF COCONUT WATER SOAKING DURATION AND
DIFFERENT PLANTING MEDIA ON THE GROWTH OF LIME TREE
(*Citrus aurantifoli* Swingle) CUTTINGS**

By: Widuri Salsabila Satyaningrum
Supervised by: Tutut Wirawati and Alif Waluyo

ABSTRACT

The consumption of lime has been on the rise annually; however, lime plants are known to have a challenging time sprouting. The aim of this study is to ascertain the appropriate planting media for the growth of lime cuttings and the duration of the coconut water's marinating time. Arranged in a Completely Randomised Design (CRD). The first factor is the length of coconut water immersion of 6, 8, and 10 hours. The second factor is the composition of the planting media, which includes husk charcoal, organic fertiliser, and soil, as well as cocopeat, organic fertiliser, and soil. The Duncan Multiple Range Test (DMRT) is employed at the 5% level of variance for the analysis. The results indicated that there was no interaction between the treatments. The 10-hour coconut water immersion treatment was substantially superior to the 6- and 8-hour coconut water immersion treatments. The husk charcoal:cow organic fertiliser:soil (1:1:1) treatment of the planting media was markedly superior to the treatments of *cocopeat*:organic fertiliser:soil and husk charcoal:organic fertiliser:*cocopeat*.

Keywords: Lime, Soaking time, Coconut water, Planting media