ABSTRACT

The aim of this research was to know the response of germination of sugar palm seed (*Arenga pinnata*) to the duration of soaking with nitrate acid (HNO₃), took place in Technological Laboratory of Seed Faculty of Agriculture, University of North Sumatra, Medan, start July until October 2004. This research was carried out by using a Randomized Complete Block Design Non Factorial with duration soaking of Acid Nitrate (P₀ = Without Soaking, P₁ = Soaking of 10 Minute, P₂ = Soaking of 15 Minute, P₃ = Soaking of 20 Minute, P₄ = Soaking of 25 Minute, P₅ = Soaking of 30 Minute, P₆ = Soaking of 35 Minute, P₇ = Soaking of 40 Minute, P₈ = Soaking of 45 Minute, P₉ = Soaking of 50 Minute. Result of research indicate that duration soaking of Acid Nitrate have an effect significant changes in percentage of germination of seed, percentage of normal sprout, and fast percentage of germination, but having an effect no significant changes in percentage of abnormal sprout, high and root length of seed.
ABSTRAK