

***EFFECT OF GIVING BIOSTIMULANT FROM GOLDEN SNAIL
EXTRACT ON THE GROWTH OF ARABICA COFFEE (Coffea
arabica L.) AND ROBUSTA COFFEE (Coffea canephora L.)
SEEDLINGS***

Dany Dwi Ardiansyah

Plantation Crop Cultivation Study Program

Department of Agriculture Production

ABSTRACT

The purpose of this study was to determine the effect of giving golden snail biostimulants on the growth of Arabica coffee (Coffea arabica) and Robusta coffee (Coffea canephora) seedlings and to determine the optimum concentration of giving golden snail biostimulan on the growth of Arabica coffee (Coffea arabica) and Robusta coffee (Coffea canephora) seedlings. The implementation of the study entitled “Effect Of Giving Biostimulan From Golden Snail Extracts On The Growth Of Arabica Coffee (Coffea arabica) And Robusta Coffee (Coffea canephora) Seedlings” was carried out from August to December 2024 at the Jember State Polytecnic Field laboratory. This study used a Non-Factorial Randimized Block Design (RAK) consisting of 6 treatments. The treatments include: RK0: without giving 0% golden snail biostimulant, RK1: giving 12,5% golden snail biostimulant, RK2: giving 25% biostimulant, AK0: without giving 0% golden snail biostimulant, AK1: giving 12,5% golden snail biostimulant, AK2: giving 25% biostimulant. The observation data were analyzed using analysis of variance (anova), and further tested using the least significant difference (LSD) test of 5%. The results of this study indicate that the application of golden snail biostimulan of golden snail biostimulants significantly affected the parameters of seedling height (cm), number of leaves (Blades), and leaf area (cm²) at the age of 12 MST. the best biostimulant application in K1 was the application of 12,5% biostimulant to Arabica and Robusta coffee seedlings. The application of golden snail biostimulant is thought to provide resistance to Arabica and Robusta coffee plants in maintaining plant metabolism.

Keywords : Biostimulant, golden snail, Arabica, Robusta