EFFECT OF AGE TRANSPLANTING SEEDLINGS AND APPLICATION OF RICE WASHING WATER ON GROWTH AND YIELD PURPLE EGGPLANT (*Solanum melongena* L.)

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ABSTRACT

Purple eggplant (Solanum melongena L.) is a horticultural crop commodity that is much loved by the public. The productivity of purple eggplant in Indonesia is still low. The problem of low productivity can be solved with proper cultivation. One step to overcome this problem is a combination of treating the age of transplanting seedlings and giving rice washing water. This study aims to obtain the age of transfer of seedlings and the right dose of rice washing water. The research was conducted from February to June 2022 at Jl. Jetis Jombongan, Sumbersari, Moyudan, Sleman, Yogyakarta. The research method used a factorial experimental design (3 × 4) in the form of a completely randomized environmental design (CRD) with two factors repeated three times. The first factor was the age of the transplanted seedlings with three levels, namely 7 days, 14 days and 21 days. Factor II was the dose of rice washing water with four levels, namely 0 ml/plant, 100 ml/plant, 200 ml/plant, and 300 ml/plant. The results showed that there was an interaction between the combination of treatment at 21 days of transplanting seedlings and 300 ml of rice washing water on the parameters of fruit weight, fruit length, and fruit diameter. The treatment of transplanting seedlings at 21 days gave the highest yields on the parameters of plant height 2,4,6 MST, number of leaves 2,4,6 MST, stem diameter 2,4,6 MST, flowering time, fruit weight, fruit length, stem diameter , number of fruits per plant, and yield potential. Giving 300 ml of rice washing water gave the highest results on fruit diameter and fruit weight parameters.

Keyword: Purple eggplant, seed age, rice washing water.