

## ABSTRACT

Patchouli plant (*Pogostemon cablin*, Benth) is one of the plants that produce essential oils from patchouli plant parts is patchouli oil (patchouli oil) obtained from the distillation process. Patchouli oil is used as a binder in the perfume industry, which has quite high economic prospects, in addition, it is widely used as a raw material for cosmetics, soaps and medicines. The problems that occur in patchouli cultivation are low productivity and cuttings often experience Root failure. This study aims to determine the effect of the growth of patchouli plant cuttings (*Pogostemon cablin*, Benth) on planting media and concentration of bamboo shoot moles and the interaction between these two factors on the growth of patchouli plant cuttings. This research was conducted at the experimental garden of the Faculty of Agriculture, Malikussaleh University which took place from May 2023 to July 2023. This study used a randomized design of two-factor groups with three replications, namely the factor of planting media consisting of 3 levels, namely (M1) top soil + sand + manure (1:1:1), (M2) top soil + sand + manure (1:1:2), top soil + sand + manure (2:1:2) and mole concentration of amboo bamboo shoots consisting of 4 levels, namely (R0= 0 ml), (R1= 50 ml), (R2= 100 ml), (R3= 150 ml). Parameters observed were plant height, number of leaves, number of shoots, Root Length, root volume, fresh weight and dry weight. The results showed that the best patchouli plant cuttings growth was found in the treatment of soil + sand + manure (1:1:2) and in the concentration of MOL bamboo shoot treatment of 100 ml/L of water.

Keywords: patchouli, planting Media, Bamboo Shoot mole concentration.