

# **EFFECT OF STIMULANTS ON PROPAGATION OF HOANG DANG (*FIBRAUREA RECISA* PIERRE) BY STEM CUTTINGS METHOD**

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*Fibraurea recisa* Pierre – the tree contains palmantin which has been proven as a precious medicine of Vietnam, used in many traditional remedies for yellow fever, inflammation, gastrointestinal disease treatment. This species has been listed in the Red Book of Vietnam since 1996 (Group IIA) due the extinction, which needs to be protected (according to Decree 32/2006/ND-CP). The purpose of preservation and development a good source of seedlings is to meet the demand for domestic sources of medicinal herbs. Results of the study showed that with NAA, IAA, and IBA at different concentrations, using IBA at the concentration of 1000 ppm after 90 days of experiment gave the highest rooting rate (71.11%) and the best quality of the root. The control treatment without root stimulation after 90 days had the rooting rate of 3.33% and rooting quality was lowest. The number of average shoots was highest in the formulation using IBA 700 ppm reached 3.37 shoots; The average length of shoots using the IBA (500 ppm) was 15.74 cm. After 12 months, the survival rate of stems was 80.87%, diameter of stem base  $\geq 0,6$  cm and stem height  $\geq 41$  cm that could be transferred to the field for planting.

*Key words: Fibraurea recisa, stimulant, propagation, breeding.*