EFFECT OF PLANT GROWTH REGULATORS ON SHOOT AND ROOT FORMATION OF POKEWEED

(Phytolacca americana L.)

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Summary

Phytolacca americana L. planted in Vietnam 10 years ago. In Vietnam and in the world, no micropropagation studies of Phytolacca americana L. were reported. The arm of this study was to develop a micropropagation protocol for Phytolacca Americana. Nodal and leaf explants from plantlet were cultured on Murashige and Skoog medium (MS) supplemented with different concentration of hormones. The optimum shoots number were induced from nodal explant of pokeweed by culturing them in MS medium supplemented with 1,0 mg/l of 6-benzylaminopurine (BA) (9,33 ± 3,46 shoots/explant). The leaf explants just induced callus on MS medium with different concentration of BA or TDZ. Shoots were allowed to root in vitro on medium with α – NAA 0,2 mg/l.

Keywords: BA, callus, Phytolacca americana L., micropropagation