RESEARCH ON PROPAGATION OF *Fragaria annanasa* BY TISSUE CULTURE

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Summary

Research on propagation *Fragaria annanasa* by tissue culture in College of Forestry Biotechnology, belonging to Vietnam Forestry University, showed that leaves, runner o and stem explant were chosen and used for *in vitro* establishtment. The leaves expland were disinfested with 0.1% $HgCl_2$ for 4 minute, stolon (creeping stem) were disinfested with 0.1% $HgCl_2$ for 5 minute, stolon (creeping stem) were disinfested with 0.1% $HgCl_2$ for 7 minute the portion of clean sprouted explants is 4.4 - 8.9%). Medium for shoot regeneration from runner o and stem explants were MS supplemented with 0.8 mg/l BAP + 0.1 mg/l kinetin + 0.1 mg/l NAA (rate of regenerated shoot is 16.7 - 20.0%). Medium for callus and shoot regeneration from callus of leaves were MS supplemented with 0.2 mg/l TDZ. The same medium was suitable for shoot regeneration from runner. MS medium supplemented with 0.1 mg/l kinetin + 0.1 mg/l NAA + 0.4 mg/l BAP for multiplication (rate of multiplicationg shoot is 100% with 8.7 shoots per plantlet, 5.4 cm of height and shoots haveing good quality). The best medium for shoot rooting is MS with supplement of 0.4 mg/l NAA + 0.2 mg/l IBA (rate of rooted shoots was 100%, with 3.5 root per shoot, length of root was 3.5 cm after 9 days). Plantnets growed the best in mix soil, rice husk and coconut fibre in the ratio 1:1:1 (with survival rate of 94.4%, bud burst after 7 days and diametrer of leaf has growed by 0.96 cm after 1 month).

Keywords: *BAP, kinetin, NAA, Fragaria annanasa, tissue culture.*