

ชื่อเรื่อง

**Tissue Culture of Vetiver Grass**

ชื่อผู้วิจัย

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### **Abstract**

The study on propagation of 3 ecotypes of vetiver grass by tissue culture was carried out from sterile vetiver with clorox 15% and 10% at 10 and 15 minutes respectively. After cutting the leaf sheet, dressing the bud, then feed them in the culture with 6-benzylamino purine (BAP) at 10 micro mol/litre. It was found that one piece of vetiver can produced 3-5 tips and after feeding in the culture with the same BAP but reduce the concentration to 50 milli gram/litre and mixed with 3-indolebutyric acid (IBA) 0.1 milli gram/litre vetiver would increased 10-20 times with in 4-6 weeks. After moving them to feed in MS culture (without growth control enzyme), they produced 5-10 roots within 3-4 weeks. After transferring the young vetiver shoots into the plastic buckets and wetting them under the semi shading for another 4 months, they can then be divided and planted in the greenhouse. It was found that propagation by this method, gave the vetiver seeding strong, good tillering and the percentage of survival up to 90%.