

ชื่อเรื่อง

**Vetiver Grass (*Vetiveria Nemoralis*) as Substrate for Mushroom Cultivation**

ชื่อผู้วิจัย

Yongyuth Saifa, Prawit Taptimorn and Prapaisri Pitakpaivan

ชื่อหน่วยงาน

Applied Microbiology Group, Plant Pathology and Microbiology Division,  
Department of Agriculture, THAILAND

ปีที่ดำเนินการ

ปีที่พิมพ์รายงาน

### **Abstract**

Preliminary study on the cultivation of four different species of mushroom (Genus *Pleurotus*) using dried vetiver grass (*Vetiveria nemoralis*) as substrate, was conducted during March 1994-January 1995 at Som Dej Pra Sri Nakarin Royal Garden, Huai Sai Royal Development Study Center, Petchaburi Province. They are *Pleurotus* sp. Florida (Hed Nang Rom Kao), *Pleurotus* sp. From Hungary (Hed Nang Rom Hungary), *Pleurotus* sp. (Hed Bhuthan), and *P. abalonus* (Hed Pao Hu). Pasteurization and non-pasteurization methods were applied. Two formulae of the first method used for substrate preparation were: Coarse grinded vetiver grass mixed with rice bran, sugar, magnesium sulphate (100:4 kg.:2 kg.:0.2 kg.) and water as needed (m/c 60-65%) and cut vetiver grass composted with 7% w/w rice bran. These mixture were bagged, pasteurized and spawned.

It was observed that the first formular produced higher yield in every species. The second method was non pasteurization by which cut soaked vetiver grass was bagged and spawned simultaneously. Fruiting bodies were observed only on two mushroom species *Pleurotus* sp. Florida and *Pleurotus* sp. From Hungary.