Table 1. Production of straw mushroom grown on rice straw in various containers compared with Thai conventional culture method with the quantity of 3 kg. non composted rice straw. *

Productivity / Treatment +	g/3kg.compost (mean ± S.E.)	g/kg. compost mean)	Ratio of average production and dry weight of compost(%)	Index
1. Conventional method	79.6 ± 7.08	26.53	2.653	100
2. Plastic container (45 x 33 x 18 cm^3)	44.0 ± 9.92	14.67	1.467	55
3. Wooden tray (90 x 60 x 22 cm^3)	54.0 ± 3.79	18.00	1.80	68

* data of 5 replications

\+ see text

Table 2 Production of straw mushroom grown by various techniques on 30 kg. composted 90 x 60 x 22 cm^3 wooden tray.*

Treatment	g/30kg. compost ($\bar{X} \pm$ S.E.)	g/kg. compost ($\bar{X}$)	Ratio of average production and dry weight of compost (%)	Index
rice straw (no composting)	1550 ± 257	51.67	5.167	100
rice straw + dry water hyacinth 1:1 (no composting)	3150 ± 189	105.00	10.50	203
rice straw + dry water hyacinth 1:2 (no composting)	5060 ± 235	168.67	16.867	326
rice straw + 10% chicken manure (7 days composting)	6136 ± 441	204.53	20.453	396

* data of 3 replication

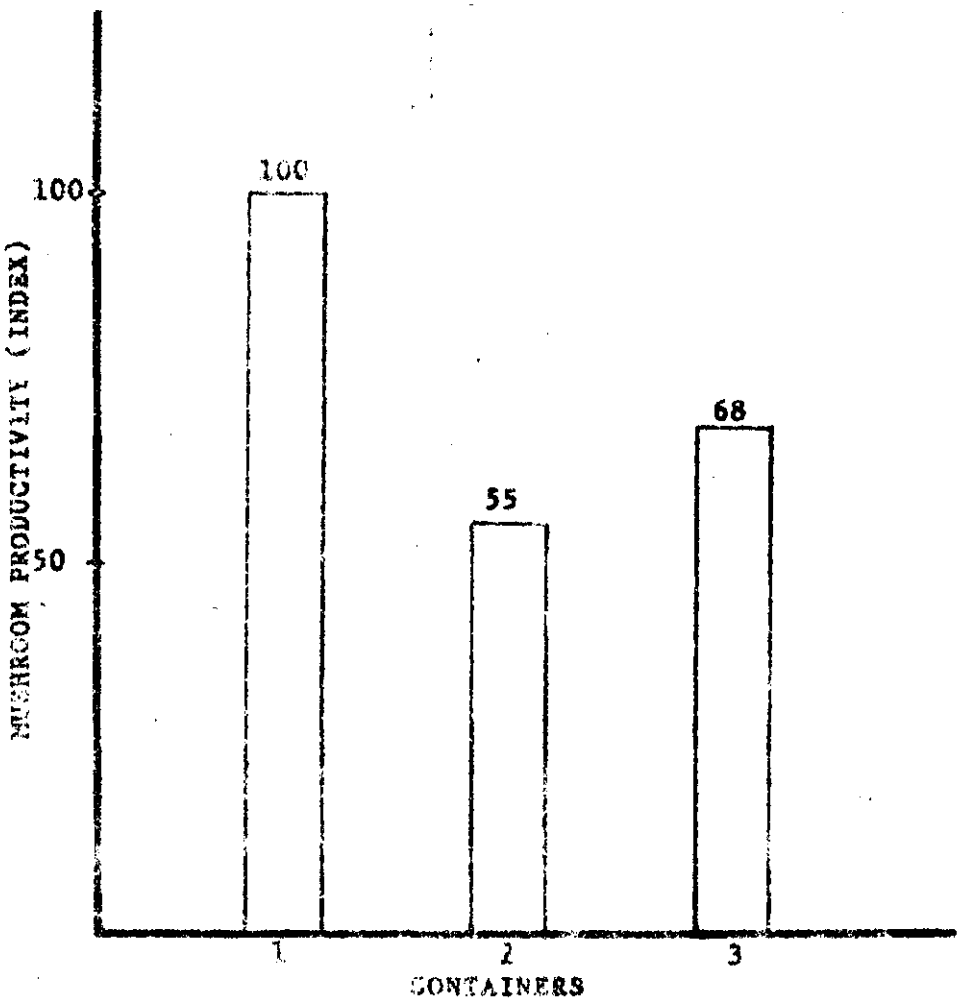

Figure 1. Productivity index of straw mushroom grown on rice straw with various containers compared with conventional Thai culture method of 3kg. compost.**

1 = conventional method *
2 = plastic container(45x33x18cm.^{3})
3 = wooden tray(90x60x22cm.^{3})

* see text for details
** data of 5 replications

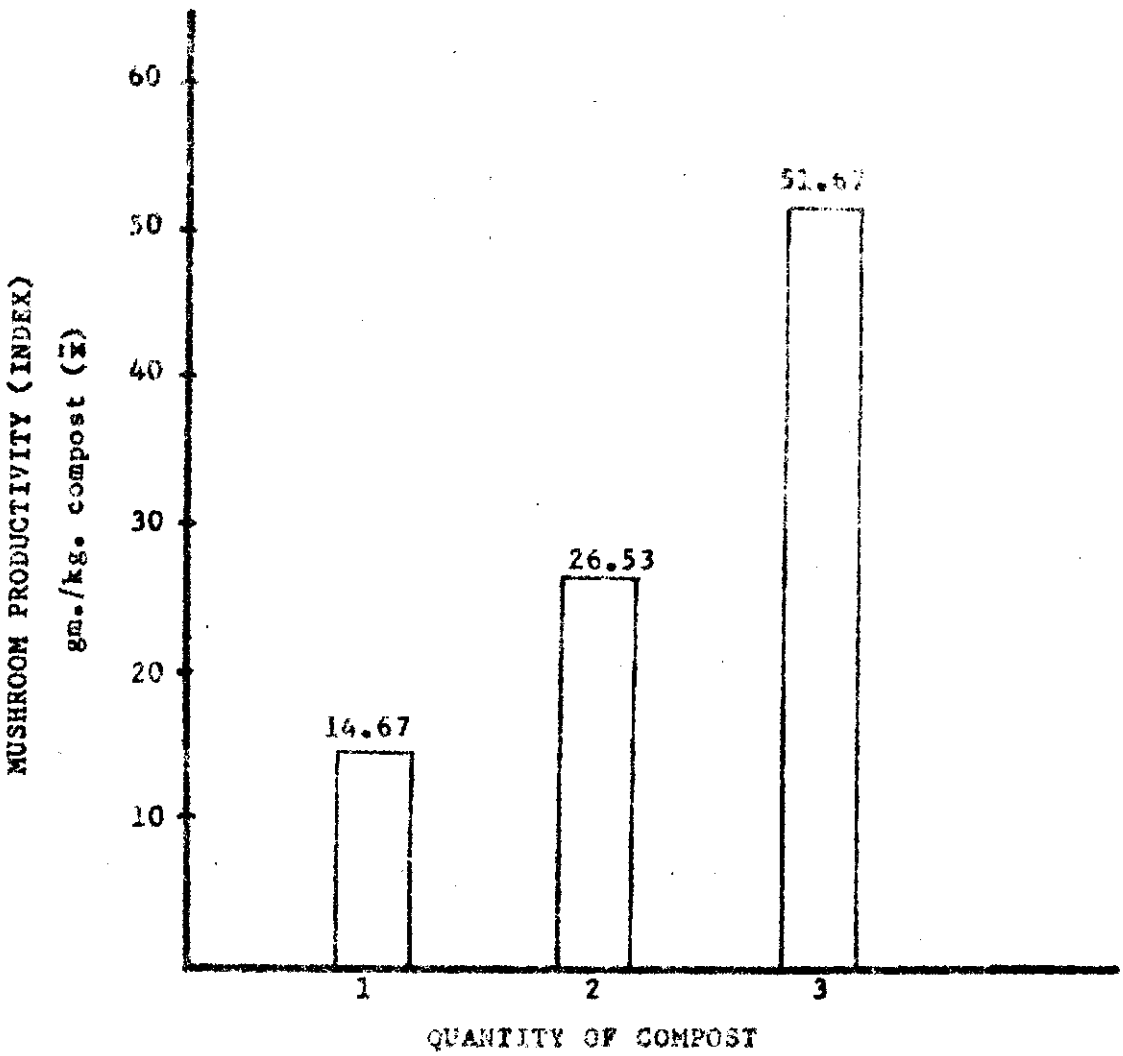

Figure 2. Comparative productivity of straw mushroom grown on different quantity of rice straw.**

1= 3kg. in plastic container**
2= 3kg. conventional method**
3= 30kg. in wooden tray*

* data of 3 replications
** data of 5 replications

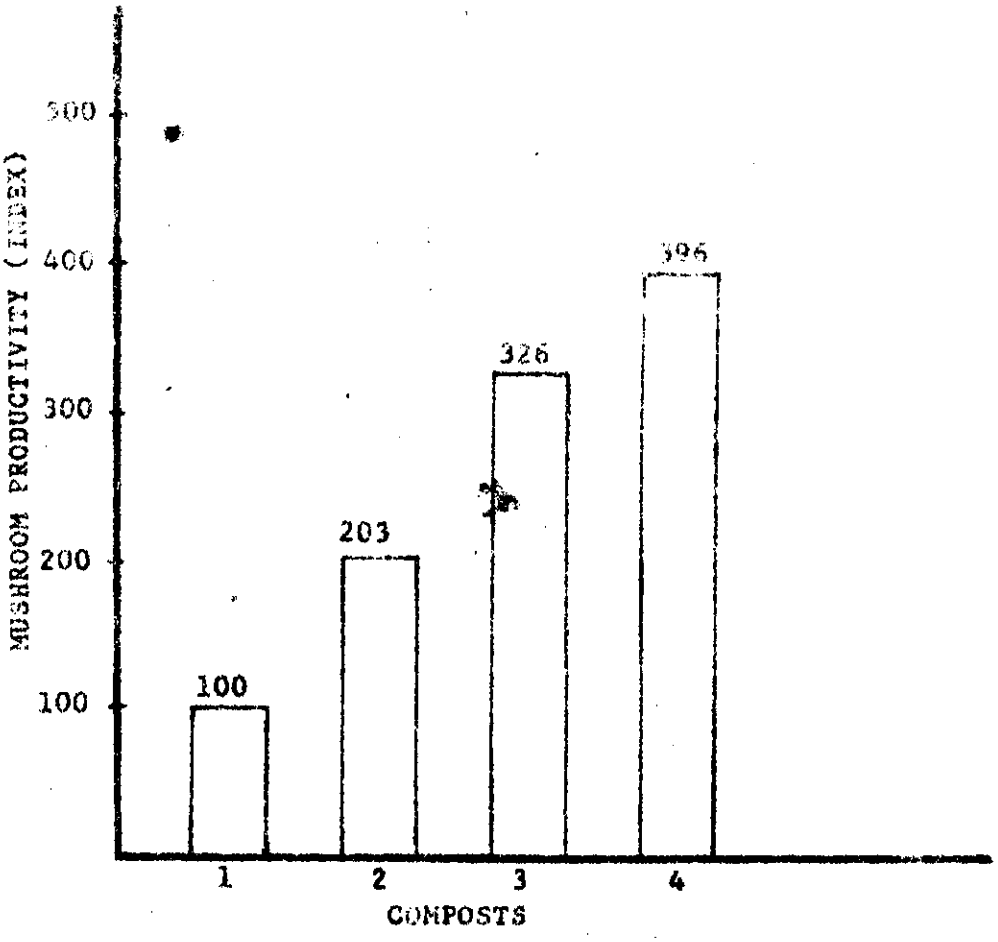

Figure 3. Comparative productivity index of straw mushroom grown on different 30kg. weight composts in 90x60x22 $cm.^3$ wooden tray. (data of 3 replications)

1 = rice straw
2 = rice straw:dry water hyacinth(1:1)
3 = rice straw:dry water hyacinth(1:2)
4 = rice straw + 10% chicken manure
(7 days composting)

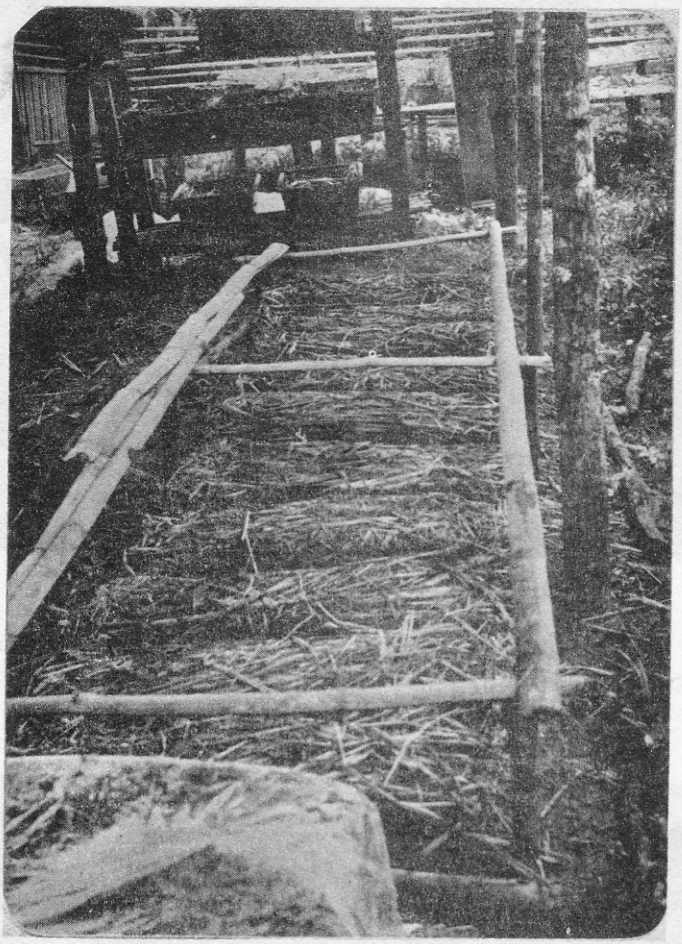

Figure 4. A picture of straw mushroom grown on rice straw by conventional Thai method. The top of the picture shows mushroom growing in plastic container.

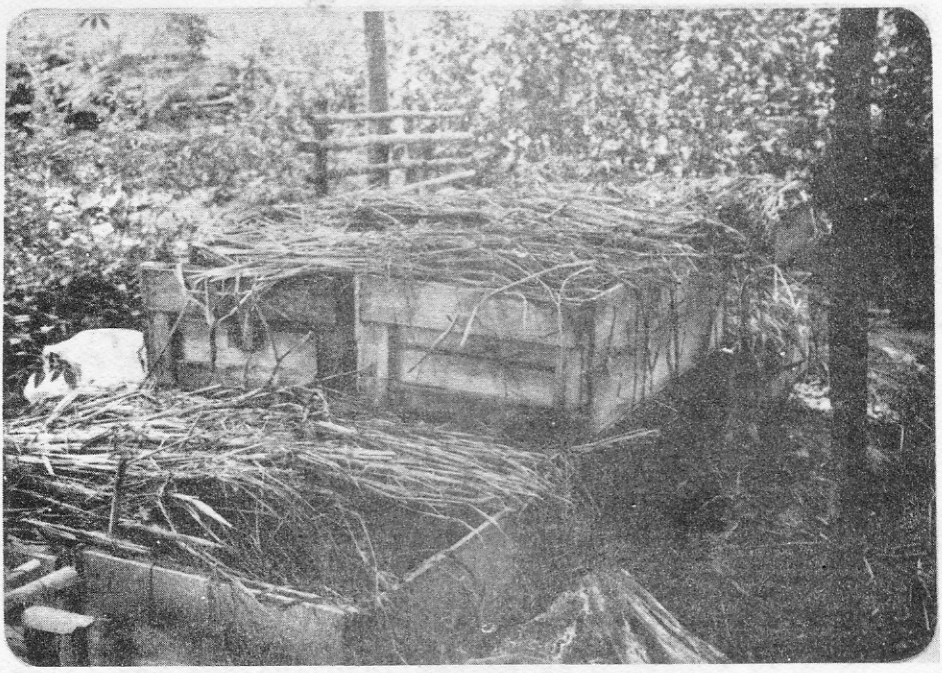

Figure 5. Straw mushroom grown in 90x60x22 cm^3 wooden tray covered by wet rice straw and polyethylene shut.

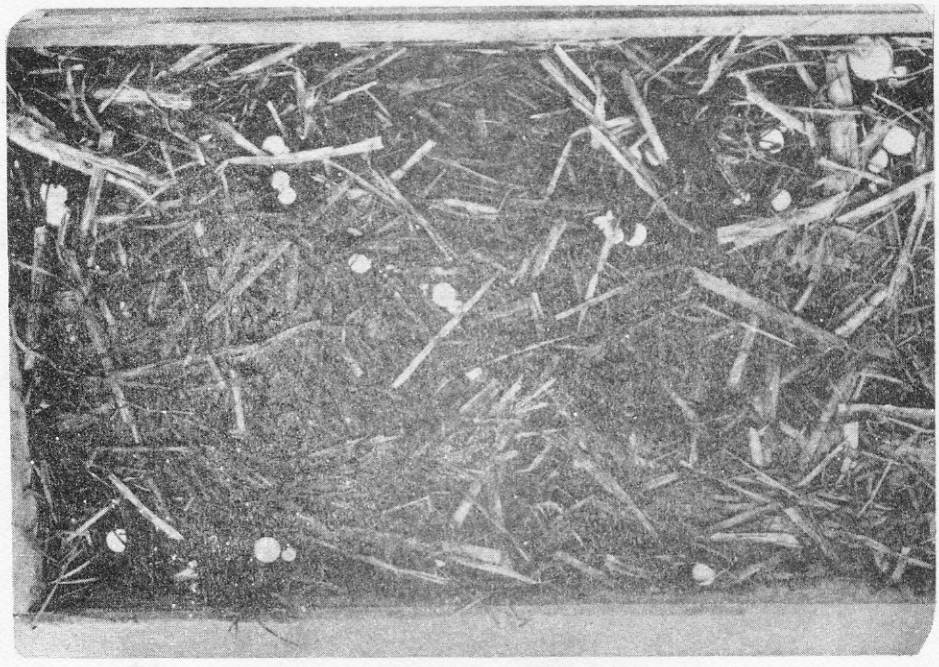

Figure 6. Early cropping stage of straw mushroom grown on rice straw and 10%chicken manure,composted 7 days before spawning, in wooden tray.