

Development of oil drum kiln for production of bamboo vinegar

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■ **ABSTRACT** : A 200 litre oil drum was developed and fabricated for production of bamboo vinegar. Bamboos were cut in 15 cm length and further splitted vertically. The average moisture content of air dried bamboo splits was found to be 22.77 per cent. The bamboo splits were carbonized in oil drum kiln and smoke was condensed to collect bamboo vinegar. It was observed that from 16 bamboos, the output of bamboo vinegar 2.24 litre and bamboo charcoal 22.3 kg was obtained. The average bulk density of bamboo charcoal was found to be 181.23 kg/m³. The ash content of bamboo charcoal and raw bamboo were found to be 4.28 per cent and 7.88 per cent, respectively.

■ **KEY WORDS** : Oil drum kiln, Bamboo vinegarr, Bamboo charcoal

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