

ชื่อเรื่อง

**The Application of Vetiver Hedge in Soil and Water Conservation Systems:
The Integrated Conservation**

ชื่อผู้วิจัย

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Abstract

The mechanical measure, whether level or graded terrace, purposed using for erosion control on sloping area. Terraces, even though wide spread, but wanted engineering skill and high investment cost. The vegetative measure, although when compared to control showing no-significant, run-off water could be able pass through the vegetative hedge. Testing that phenomena in the flume with vetiver hedge showed that the run-off velocity actually increased after passing each hedge and affected erosion. The combination of small effective bunding with vetiver hedge were applied. By having a bunding in front of the vetiver hedge, the bunding will fill up the bottom gap between each plant and run-off velocity is reduced. The bunding is, in turn, protected by the vetiver hedge and less maintenance is required.