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## ข้อความแห่งการริเริ่ม

1. แนวคิดใหม่ของการวิจัยนี้เพื่อเปรียบเทียบศักยภาพการสะสมคาร์บอนระหว่างระบบนิเวศ (ในพืชและดิน) ของป่าปลูกไม้สักและสนสามใบ อายุ 22 ปี ที่ปลูกเพื่อฟื้นฟูพื้นที่ต้นน้ำบนพื้นที่สูง ซึ่งแตกต่างจากการศึกษาที่ผ่านมาที่มีผู้ศึกษาเกี่ยวกับการสะสมคาร์บอนในชุดของป่าปลูกไม้สนสามใบ
2. การศึกษาเพื่อประเมินศักยภาพการสะสมน้ำในระบบนิเวศ (ในพืชและดิน) ของสวนป่าไม้สักและสนสามใบ เป็นแนวความคิดใหม่ของการวิจัยทางด้านอุทกวิทยาป่าไม้

## **SATEMENT OF ORIGINALITY**

1. The new concept of this research is the comparison of carbon storage potentials between ecosystems (plant and soil) of the 22-year old teak and pine plantations for restoration of highland watershed which is different from the previous study on carbon storages in a series of the pine plantation.
2. The study on evaluation of water storage potentials in ecosystems (plant and soil) of the 22-year-old the teak and pine plantations is the new concept of research in forest hydrology.