

## **Growth and survival of *Calamus subinermis* in provenance trials in Sabah, Malaysia**

### **Abstract**

A study was carried out to assess the growth and survival of 14-year-old provenance cum progeny trials of *Calamus subinermis* at three different sites and soil types in Sabah, Malaysia. These sites were Kolapis A, a logged-over forest with sandy clay loam; Segaliud Lokan, an *Acacia mangium* plantation with sandy loam to sandy clay loam and Sook, scrub dominated by *Baeckia frutescens* with gleyic podzol. High survival percentage (more than 85%) was observed in Sook while high mortality rate (more than 60%) was noticed in both Kolapis A and Segaliud Lokan. Mean annual growth rates of *C. subinermis* were 1.36, 3.34 and 3.78 m year<sup>-1</sup> in Sook, Segaliud Lokan and Kolapis A respectively. The growth performance of *C. subinermis* was more affected by soil type or soil condition than by provenance. © Forest Research Institute Malaysia.