

Age-diameter relationship of trees in tropical semi-evergreen rain forest
at Sakaerat, Nakhonratchasima.

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ABSTRACT

Probable ages for in tropical semi-evergreen rain forest at Sakaerat was determined from annual or a 2 years period increment of selected trees. Increment of selected trees were determined by using dendrometer, an vernier growth measuring band. 18 species have studied. Trees in the upper canopy grew faster than tree species in the middle canopy and small tree layer. Upper canopy species eg. *Shorea henryana*, *Pakia sumatrana*, *Homalium sp.* and *Dialium cochinchinensis* reached 30 cm dbh at aged 78-144 years. *Hopea ferrea* was an only one canopy species grew slower than the others. It took 265 years to reach 30 cm dbh. The middle canopy and the small tree layer species eg. *Aglaiia pirifera*, *Walsura trichostemon*, *Memecylon spp.* and *Hydnocarpus castaneua* reached 30 cm dbh at aged 165-453 years.