This dataset contains measurements of sapwood thickness, bark thickness, diameter at breast height, and the estimated sapwood area (assuming circular shape) of 14 common tree species in successional forests in Khao Yai National Park, Thailand. The measurements were performed during a wet period in July-September 2020 and in June 2021. The descriptions of labels in the data table are as follows.

Site: PF = Primary Forest (>200 years old)

SF = Secondary Forest (4 years old)

DBH = diameter at breast height in cm

BT = bark thickness in cm

ST = sapwood thickness in cm

SA = sapwood area in cm2

Sapwood area was estimated using the following equation:

where *R* is stem radius (i.e., 0.5\*DBH), and *Dbark* and *Dsapwood* represent bark and sapwood thickness, respectively.