# COMPARATION STUDY ON ACTUAL TEAK (*Tectona grandis L. f.*) BASAL AREA AND STANDING STOCK WITH THEIR NORMAL VALUE BASE IN TABLE OF WOLFF VON WULFFING

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## Abstract

Tree growth in stand changes periodically. Since WvW's table has used for 67 years, it is significant to reexamine the teak growth. The study objectives are giving the information of teak growth base on diameter rings, and compare basal area and stand's volume of actual stand with ones in WvW's table.

The location of this study is at Perum Perhutani Unit I Jawa Tengah, coverage : KPH Cepu, KPH Kendal, KPH Blora, KPH Mantingan, KPH Purwodadi, KPH Randublatung, and KPH Kebonharjo. The data which collected are diameter breast height (dbh), tree height, height's cutting tree, section's length, section's diameter, section's diameter rings, age and site. The data collection is used for determine the dbh, height, number of tree per ha, form, which that all are used to determine basal area and stand volume.

Stem analysis is effectively method for growth study of tree with diameter rings. This method can provide information of growth carefully. Basal area and stand's volume of actual stand has compared with ones in WvW's table by logic comparation (descriptively). It has seen from the actual table of basal area and stand's volume that there are values decreasing at several ages in each sites. It means that parameter basal area and stand's volume of WvW's table is not appropriate anymore with the real condition, and now it cannot to be used as the reference for management planning teak forest.

**Key words : Teak, growth, stem analysis, comparation**

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