

THE INFLUENCE OF SOIL PROCESS AND MANURE ADDING TO THE GROWTH OF TEAK (*Tectona grandis* L.f.) TO EX-SHEPHERDING LAND IN KPH NGAWI

By :

Maria Purman Widiyanti¹⁾

ABSTRACT

This research was done because of the deficiency of teak forest productivity. The best treatment will be choosing to overcome the cause of the deficiency of the productivity.

The research was located in compartment number 70, RPH Gendingan, BKPH Walikukun, KPH Ngawi. The materials were seedlings from mini cutting from Pusbanghut P.T. Perhutani, Cepu. The research design was Randomized Complete Block Design (RCBD), with 6 treatments, 4 replications, and 100 seedlings per plot.

The result showed that the intensive loosen through *tumpangsari* and the adding of manure produce the best growth of teak, with average 1.2 m of height and 2.45 cm of diameter. The difference of the level of soil loosen (20 cm and 40 cm) produce almost the same growth. The difference of soil loosen type and the difference of the adding of manure produce different growth of the plant.

Key words : Teak, Soil process, Manure.

¹⁾ Student of Department of Forestry, Gadjah Mada University

