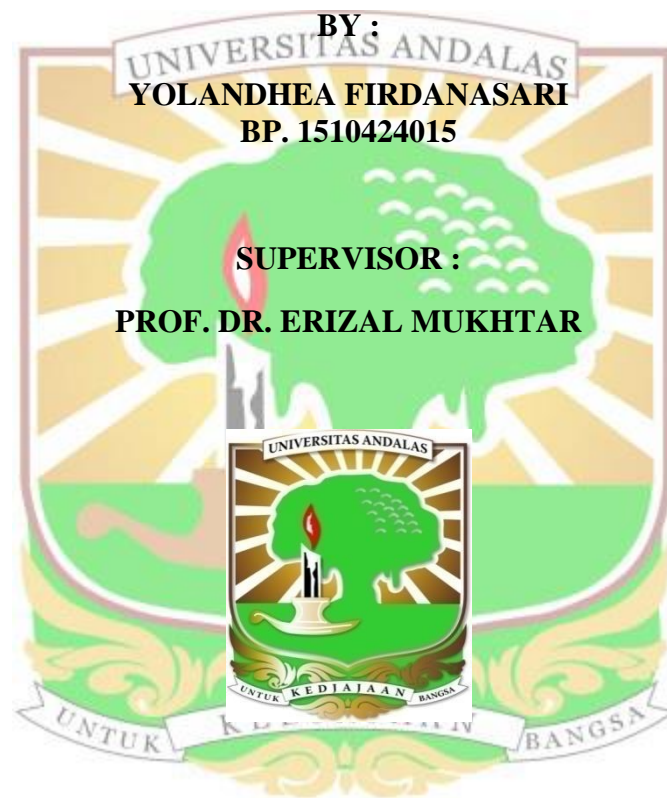


**UNDERGRADUATE THESIS**

**RELATIVE DIAMETER GROWTH RATE OF SEVERAL IMPORTANT TREES  
SPECIES IN A PERMANENT PLOT OF BIOLOGICAL EDUCATION AND  
RESEARCH FOREST ANDALAS UNIVERSITY**



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**2020**

## ABSTRACT

Tropical Forest dynamics determine by the growth rate of the trees. Relative Diameter Growth Rate (RDGR) also can defined the as the increase in dimensions of an individual tree through times. Research about Relative Diameter Growth Rate of Several Important Trees Species in Permanent Plot of Biological Education and Research Forest Andalas University has been conducted on October until December 2019 in Permanent Plot of Biological Education and Research Forest Andalas University. The Purpose of this Research is to clarify the Relative Diameter Growth Rate of Several Important Trees Species in a Permanent Plot from 2004 until 2019 and species characteristic of Relative Diameter Growth Rate from 2004 until 2019. The method used in this research is survey method by census. The result of this research found that there are seven main important trees selected based on the Important Value Index (IVI) with *Pternandra echinata* as the highest RDGR (0.0145 cm/cm/yr). Species characteristic of the several main important trees found in *Callerya atropurpurea* because despite the rainfall decreased the Relative Diameter Growth Rate (RDGR) increased.

Keywords: *Biological Education and Research Forest, DBH, Permanent Plot, RDGR*

