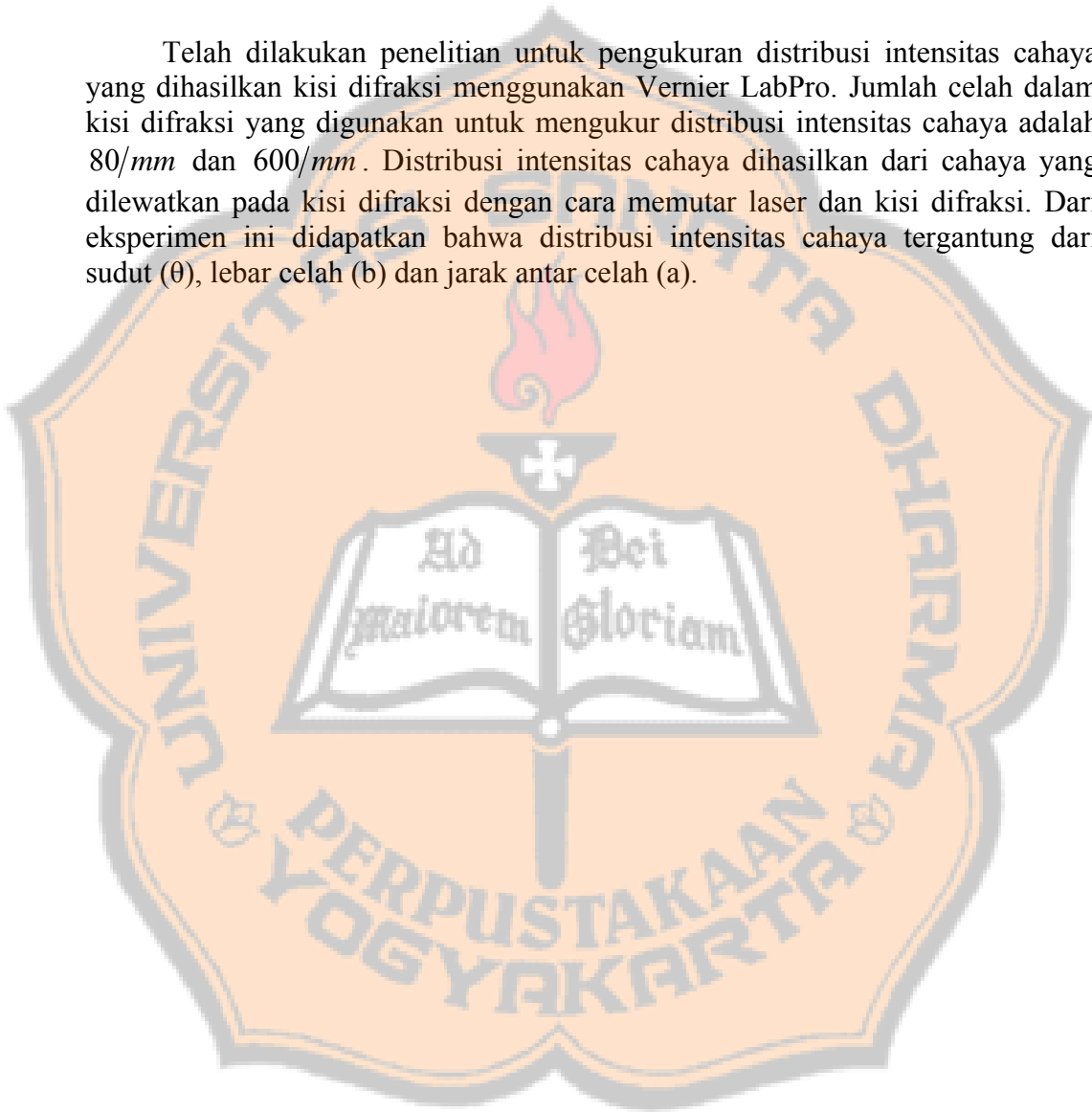


**ABSTRAK****PENGUKURAN DISTRIBUSI INTENSITAS CAHAYA  
YANG DIHASILKAN KISI DIFRAKSI  
MENGUNAKAN *VERNIER LABPRO***

Telah dilakukan penelitian untuk pengukuran distribusi intensitas cahaya yang dihasilkan kisi difraksi menggunakan Vernier LabPro. Jumlah celah dalam kisi difraksi yang digunakan untuk mengukur distribusi intensitas cahaya adalah  $80/mm$  dan  $600/mm$ . Distribusi intensitas cahaya dihasilkan dari cahaya yang dilewatkan pada kisi difraksi dengan cara memutar laser dan kisi difraksi. Dari eksperimen ini didapatkan bahwa distribusi intensitas cahaya tergantung dari sudut ( $\theta$ ), lebar celah ( $b$ ) dan jarak antar celah ( $a$ ).



**ABSTRACT****THE MEASUREMENT OF THE DISTRIBUTION OF LIGHT INTENSITY  
WHICH IS OBTAINED BY DIFFRACTION GRATING  
USING *VERNIER LABPRO***

A research about the measurement of the distribution of light intensity which is produced by diffraction grating has been done by using *Vernier LabPro*. The number of slit in the diffraction grating which is used to measure the distribution of light intensity are  $80/mm$  and  $600/mm$ . The distribution of light intensity is produced from the light which is passed through the diffraction grating by turning around the laser and diffraction grating. From this experiment it is obtained that the distribution of light intensity are depended of the angle ( $\theta$ ), the slit width ( $b$ ) and the distance of slit ( $a$ ).

