

INTISARI

Tujuan penelitian ini adalah menyelidiki kekerasan Rockwell dan struktur mikro *Cylinder Liner* sepeda motor Honda dan Yamaha.

Pengujian kekerasan dilakukan pada 4 titik di daerah *Calter Cylinder Liner*. Pengamatan struktur mikro dilakukan juga pada daerah bekas pemotongan *Calter*.

Hasil penelitian menunjukkan bahwa kekerasan rata-rata pada *Calter Cylinder Liner* Honda = 73,375 HR_B dan 94 HR_B untuk Yamaha. Pengamatan struktur mikro menunjukkan bahwa tidak ada perbedaan yang signifikan antara *Cylinder Liner* sepeda motor Honda dan Yamaha.

ABSTRACT

This research purposed to examine the Rockwell hardness and microstructure of cylinder liner of Honda and Yamaha motorcycles.

The hardness test was done on 4 points of calter cylinder liner. The microstructure observation was done on the calter cutting former area.

The results showed that the average hardness on the calter cylinder liner of Honda was 73.375 HR_B and the calter cylinder liner of Yamaha was 94 HR_B. The microstructure observation showed that there was no significant difference between the cylinder liner of Honda and Yamaha.