

**Rancang Bangun Alat Uji Keausan Kampas Rem Tipe *Pin On Disc* (*Design and Construction of Pin On Disc Brake Pad Wear Test Equipment*). Pembimbing**  
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***ABSTRACT***

*Wear is the loss of matter from the surface of a solid as a result of mechanical motion. Factors that can affect wear and tear on machine components that are in contact with each other, including pressure, surface roughness, speed, material hardness. To measure the volume of the wear and the amount of friction that occurs, a tribometer can be used. In the design of the pin on disc type tribometer wear test, there are several advantages, one of which is an affordable price. The purpose of the study was to analyze the data generated by the wear test tool for the pin on disc tribometer. This type of research uses experimental research. The object of this research is to reduce the weight of Federal and AHM brake lining specimens. The results of the study obtained by researchers are that brake pads made of Federal have an average value of greater reduction than brake pads made of AHM. This can be seen from the decrease in weight of the Federal brake lining specimen, which is 0.83 gr and the weight loss value of the AHM brake lining specimen, which is 0.14 gr.*

***Keyword:*** *brake lining, tribometer, pin on disc, wear*