***Compaction Variation Force on***
***Brake Pad Thoward Brake Pad***
***Thickness and Wearness***
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## *ABSTRACT*

*Motorcycle are vehicles that are very popular among Indonesian people, so the number of motorbike vehicle production increases along with the increase in market demand. Brake pad is a component whose function is to slow down and stop the rotation of the wheel, to control the wheel and for the driver's own safety. Brake pad that are too hard will shorten the life of the drum or discbreak, whereas if they are too soft the life of the brake pad will be shorten. Brake pad temperature will rise due to friction that occurs during braking. Braking time determines the temperature that occurs. Active carbon is a material that has many pores in it. The pores in carbon function as a medium for applying carbon. Activated carbon is usually used to absorb organic compounds, compounds that contain or absorb synthetic chemicals. In testing with a dynamo rotation of 20 km/h on brake linings with a thickness value of variation 1 lining with a thickness value of 5.6 mm compared to the factory standard comparison canvas with a thickness of 4.5 mm, while for variations of canvas 2 and 3 it has a thickness of 5.2 mm for variation of canvas 2 and 4.7 mm for variation of canvas 3 with respective loads when printing with a force of 0, 9952229299 N on variation 1 break canvas and 1.1942675159 N on variation 2 break canvas and 1.3933121019 N on variation 3 brake canvas.*

**Keywords**: *Brake Pads, Pad Thickness, Wear Rate*