

***DEVELOPMENT OF COMBINE BRAKE SYSTEM (CBS) BRAKING SYSTEMS PROPERTIES ON MATIC VARIO MOTORCYCLES***

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**ABSTRACT**

*Brakes are part of a vehicle that has a function to slow down or stop the vehicle. In the process of decelerating or stopping the vehicle, stability is needed, where one of the efforts to increase the stability of the motorcycle when braking is to use the CBS braking system, namely a braking system with the right and left brake levers connected by cable ropes. So that students can know and learn the braking system, it can be used for practical learning of the CBS brake system on automatic motorcycles. When testing the speed of 2,200 rpm, it requires a stopping time of 0.5 seconds for braking, front braking, while rear braking with a speed of 2,200 rpm, requires a braking time of 0.7 second. So it can be concluded that CBS braking on automatic motorbikes has a better impact on braking on motorbikes.*

Kata kunci : *braking system, props, copmbination break.*