

ABSTRACT

The development of motor vehicle transportation in Indonesia is growing very fast, according to the Indonesian Central Statistics Agency. In 2018 alone, the number of motorcycles in Indonesia has reached 106,657,952 units and it is estimated that every year it will continue to grow. [2] This growth is caused by many factors that influence it, among others, the tendency to choose private motorized vehicles to travel compared to using public transportation. This is quite reasonable because using private motorbikes is faster than using public transportation. With the rapid development of motorcycles from year to year in Indonesia, problems arise with helmets that are used, such as helmets that are heavy, uncomfortable, difficult to communicate and obstructed view when driving in rainy weather conditions because the view is blocked by rainwater on the helmet glass. Poor vision conditions Motorcyclists can cause accidents in rainy conditions. Data from Kompas states that one of the factors in traffic accidents is obstructed view which accounts for 11.12 percent of accidents in Indonesia. Obstructed view can be caused by leaves, vehicles or motorcyclists' eyes that are disturbed by rainy weather or fog. This aspect is also what makes the main focus in safe and safe driving which includes sight and sight. Because this problem can endanger the motorcyclist himself and also other road users.

Keywords: Helmet, Wiper, Safety.