

Abstract

Along with the increase in the number of motorcycles, there has been an increase in the number of accidents by 4.87 per cent per year. In 2019, there were 116,411 traffic accidents in Indonesia, the highest number of accidents in the last five years. Unsafe behaviour carried out by drivers is the leading cause of traffic accidents; it is stated that human actions cause 60.7 per cent of the factors causing accidents. This study aims to examine the influence of gender, age, and riding experience demographic variables' influence on unsafe behaviour carried out by motorcyclists in Semarang City, Central Java. The method used in this study is the Naturalistic Driving Study (NDS), which directly observes the way the respondents drive in this study to see the unsafe behaviours carried out. Eleven unsafe behaviours were observed, with a total frequency of 773 incidents. In this study, 41 crash incidents were caused by unsafe behaviour.

Keywords: *Unsafe Driving Behavior, Naturalistic Driving Study, Crash – Near Crash*