

ABSTRACT

Development of Electric Motorcycles as Alternative Public Transportation for Food Delivery

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The online mode of transportation is a land transportation service that currently has the most demand in Indonesia. This is because online transportation is very easy to access in payments, route selection, transportation selection and so on. In addition, by using online transportation, passengers can minimize congestion during travel. One of the online transportation modes that are in great demand by the public is food delivery services using motorized vehicles. Currently, online transportation is highly trusted by the public, besides being easy to use using only a smartphone application, online transportation can also help micro, small and medium entrepreneurs (MSMEs). However, the use of excessive consumption of fuel oil (BBM) or gasoline will be very harmful to the health of humans, animals and the surrounding environment, especially the increase in air pollutants such as carbon monoxide (CO) and hydrocarbons (HC) produced from the combustion gases of motor vehicles.

Key Words: *Online Transportation, Food Delivery, Air Pollution, Congestion, Motorcycle*

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