**ABSTRACT** 

Vehicle rentals today are verymany, especially in big cities. But most of the

vehicle rentals are still using conventional methods in terms of ordering, such as

by using telephone, short message service even visiting the rental company.

Checking the availability of the vehicle is also still manually. Customer check

availability of vehicles from one rental to another rental that would take time and

cost. So it would designed a web portal that will allow customers to search for

information easily. From the problems already mentioned, will be identified any

business process that occurs between the customers and vehicle rental companies.

Designing E -Vehicle website portal using the waterfall method which includes

analysis, design, coding, and testing. E -Vehicle System has a feature which helps

the customer to get information about vehicle, real time vehicle availability

checking without visiting the store, and information about each vehicle

maintenance. E-Vehicle Portal also accommodate the needs of rental companies in

conducting the marketing activities.

The result of E - vehicle web portal can be accepted by user with system testing.

All features in E - Vehicle can accommodate the needs of the customers to obtain

information. E - vehicle could be a marketing media for rental companies. Even

the newly established rental companies do not need to do excessive marketing

activities because through this portal customers will come by themself.

Keyword: crowdsourcing, vehicle rental, e-commerce

iv