

ABSTRACT

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VEHICLE PARKING WEBSITE PERFORMANCE TESTING TO SHOW NOTIFICATION

(xiv + 55 pages: 42 figures; 15 tables; 4 appendices)

Flaws have been found in Indonesia parking systems. For example, a customer on a parking lot cannot tell if a desired parking place still available or not. Thus this flaw makes problems like space at a parking lot even bigger. Furthermore, a rapid increase of vehicle growth in Indonesia make it even more complicated. One possible solution is to make vehicle parking website to make sure that the customer get what they want.

To make a parking reservation website needs a domain and server to facilitate website, requires rules that govern the website. For the most part *admin* will set up the rules. Website will be put to test through two scenarios. Which is notification scenario and slot scenario using two techniques which is database technique and view technique.

The test shows that processor specification plays a significant role to speed to process data. Notification scenario has more power than slot scenario because slot scenario has easier task. For small data the difference between database technique and view technique is not visible, but for big data the difference between database technique and view technique is visible. This happen because the difference of speed can be clearly seen if view technique was used which is up to 9986% faster than using database technique.

References: 18 (2007-2015)