Abstract

Objectives
The aim of the application is to produce a web application that eases people to use public transportation, specifically in finding mass transportation route information. The benefit of the product is that people can use the application to search the updated information. The information will always be up-to-date as it is aimed that the members keep updating the site’s information. By having an easily developed code, the programmer can anticipate the increased demand for extending the original work.

Method
The thesis project was done through 2 months of planning, 2 months of development and 1½ months of testing.

Results
A working web application that fulfills the entire requirements stated in chapter 1 as well as use case diagram which are search route, search place, add route, add place, edit route, edit place, bilingual and integrated with PHPBB.

Conclusion
The application has managed to provide useful functions for the target users. Application has worked successfully in searching route, searching place, adding route, adding place, editing route, and editing place. Based on the survey done by author, 73% respondents are willing to use the site and 80% respondents are willing to contribute information to the site. In general, 50% of the respondents can use the application’s function in the first try without any difficulty. Twenty seven connections had been injected to the server at the same time and the server shows no significant sign of script loading time delay. The average of script loading time is 0.110506 seconds.

Key words
Mass transportation, PHP, Google Map, Google Map Geocoding, route, survey.