

## **ABSTRACT**

*The increasing number of tourists from local and abroad and the number of people traveling from one place to led to high population mobility in Indonesia. The tourists and people who travel from one place to another are sometimes require public transport to visit the media or around the places they visit. However, they sometimes find it difficult to search and find the right public transport to reach their destination. These problems can be overcome by building a public transport route search application by using the concept of crowdsourcing to help the tourists and people traveling to get a proper public transport to reach their destination.*

*The application of crowdsourcing allows user to interact with another user in information gathering. The method applied in this study is extreme programming. The phases that performed in this research, are exploration, planning, iteration to release and productionizing. The application are built using php programming language.*

*The result of this research are web application of public transportation route search using crowdsourcing concept called pangkot. Crowdsourcing concept is implemented for making the application content could be updated by general people so the information in the application can be updated as fast as possible. The implementation of crowdsourcing concept make this application can accommodate the users to share information about public transportation around Indonesia too. This application was built to address the problems experienced by tourists as well as people who travel frequently by using public transportation.*

*Keywords: web application, php, extreme programming, tourist, public transportation routes*