

## **ABSTRACT**

*Public transportation is part of a system or means of transportation provided to the public for a fee. The existence of public transportation can reduce the volume of private vehicles because public transportation can transport people simultaneously. Although public transportation has the potential to make people's lives easier, there are still many problems. Among other things, the driver is very difficult to find passengers who want to take a city transportation. Kiri startup is driven to create mobile-based applications that can be used by drivers. Mobile applications are currently growing rapidly. Mobile applications make it easier for users because they can be accessed on smartphones anytime and anywhere and can help activities with high mobility. In its development, the Kiri driver application uses the Kotlin programming language for writing code, the MVVM architectural pattern to facilitate development, and the scrum method which can divide the development process into several sprint stages. The scrum method is applied with 8 sprints that have been run for development and the results for the implementation of scrum have been completed all the backlogs in all sprints. The application being tested uses the black box testing method and unit testing to test the application's functionality. With the results of the test that the Kiri driver application is ready to be implemented to be able to help drivers more easily carry out their activities.*

*Keywords— mobile, android, scrum, startup, city transportation*