

## **ABSTRACT**

*The development of public vehicles in Bandung create a lot of traffic trouble in Bandung Street. Many City in Bandung have a trouble when every vehicles faces meet in conjunction and also because Bandung also a big city, many people come to Bandung for Vacation and seek job in here.*

*Conjunction is the road when every vehicles meet from any other road. Also, the 4 ways conjunction have a benefit to decrease the potential that can be happened such as car crash and any other trouble that will be happen in the future. If the main road facing with the small road, then the vehicles from the main road have the privilege to go first than the vehicles from the small road.*

*One of the other problems is, when the vehicles is meet at the conjunction the Traffic light take too long to change and because it takes too long. The small vehicles such as motorcycle is not obey the traffic light and also the other small vehicles from the other side of the road also have the same mind. When this happened, it will create a Traffic Jam on the conjunction.*

*Regarding to that problem, we create an innovation to create some platform which is can handle the duration of the traffic light and can knowing the conditions of the traffic that is happen. The prototype of the system is focused on the user interface and user experience also the methods that will be use is User Centered Design to create more closer approach to user for getting the needs of the design that will be made.*

***Keywords: Traffic Jam, Conjunction, User Interface, User Experience, User Centered Design.***