

## ABSTRACT

Primajasa Bandung-Soekarno Hatta Airport Transportation is a travel agent that has a travel route from Bandung Airport Soekarno-Hatta. Its booking ticket is being used is the purchase of tickets by coming directly to the Primajasa's counter, prospective passengers should take time to buy a ticket, it is less efficient.

To solve these problems, we should make a reservation system that allows passengers to book tickets via *mobile*. To make this system we should do analyzing user requirement, make design system, then make the application which is implanted at Android-based devices. The Application is built to handle bookings and payments Primajasa bus ticket. Users can choose a destination, departure time and bus seating positions at Primajasa. This application is a client-server applications, the Android device is connected to the internet as a client and a server with PHP as a server.

To see the feasibility of testing applications which include black-box testing, alpha and beta. From the data the results of tests performed and the analysis and concluded that the application is made has been running well and can be applied to the system bus reservation Primajasa. This application can be run on Android device which have minimum specification: Android version 2.2, screen resolution 320 x 480 pixels, 180 MB of memory devices, and RAM size 159.2 MB. Based on the test results, the average length of reservation ticket is about one minute and five seconds.

Keywords: *Primajasa Bus , Android applications, reservations, ticketing*