

## ABSTRACT

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Parking reservation system MAC address WEB-based (SRP MACWEB) is a system that was built for purposes of parking reservation system. The WEB-based system that utilizes wireless technology, the system works identify MAC address on the device a smartphone member. The process of reservation system has two types of reservation i.e. reservation through the website for member and reservations through an unrelated field to Non-member. Reservation through the website, the member must register on MAC address smartphone to serves as authentication so that the member can validated by the system. On testing, network devices can function and be able to connect all servers will be running services such as DNS, and Web server. The device must be connected with the member's smartphone wi-fi network (reservation of parking) and then access the web page URL [www.reservasiparkir.finpro-ce.com](http://www.reservasiparkir.finpro-ce.com), a member that already do the registration, a MAC Address, the system will be checked if the data member is registered on the database. *Airodump application* will do the smartphone device identify member and then will be recorded on the server. Admin will adding, modifying, and deleting data member. Parking reservation system MAC address are expected to support the WEB-based reservation system Parking service at the Faculty of applied science.

Keywords: Parking reservation system, MAC Address, Website, SRP MACWEB