

COMPARATIVE STUDY OF AIRDROP VS SHAREIT WIFI DIRECT FILE TRANSFER USING COMPATIBLE DEVICES



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Abstract

The study aims to measure the difference between the Airdrop for iOS and SHAREit for Android OS as WiFi File transfer applications that can be used for smartphone and tablet devices in terms of transfer range, time transfer, and speed or transfer rate in mbps or megabits per second. The test was done using smartphones/tablets using the same Android operating system and iOS respectively. The researcher used the descriptive approach to distinguish the difference between the SHAREit file transfer and Airdrop File transfer to examine the transfer range, time transfer, and transfer rate or speed in megabits per second. The researcher conducted the tests on students with different mobile devices for the two WiFi Direct data transfer applications. The researcher used the SHAREit, AirDrop with the help of Fing - Network Tools to get the actual transfer rate and time transfer of the specific device while transferring the files. Based on the result, the average transfer time result of all Android devices is 2:25 minutes with a transfer rate of 5.88 mbps while the average transfer time of all iOS devices is 1:45 minutes with a transfer rate of 6.62 mbps which is faster than Android smartphones that vary on smartphones specification.

Keywords:

WiFi, data transfer, smartphones, tablet, iOS, Android, application

