

DEVELOPMENT OF OFFLINE CHAT APPLICATION: FRAMEWORK FOR RESILIENT DISASTER MANAGEMENT



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Abstract

The purpose of this study is to develop an Offline Chat Service, which a user can send a message in the absence of the internet, cellular data, and signal. The Wireless Fidelity or WiFi will serve as their access point, to connect to another user, it can detect and pair into a different device as long as the other users are connected in the same network. But before the user can fully exchange messages: User B must accept User A's request to exchange messages, if User B declined the request, both users can search another device again to send a message. This study has an Admin side, to see who and how many devices are connected in the same network. However, the mobile application can only pair into Android Devices, but the researcher is still conducting research to make the application broader and can pair into Apple Devices.

Keywords:

Chat, Offline Chat Application: Mobile Application, Local Area Network, Emergency Response

