

# ABSTRACT

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## **RANCANG BANGUN MOBILE APPLICATION LAPORAN MOBILITAS & AKTIVITAS KARYAWAN R.O MULTISITE PT.NPN PROJECT ENI INDONESIA**

*In year 2022, working role situations and conditions are different from the presence because of corona virus disease which spreads very quickly from human to human, so the Government has established a Pandemic situation by suggesting that any work that can be done at home is should be applied remotely operated or known as WFH (Work From Home). BUJP (Badan Usaha Jasa Pengamanan) companies as Security Services Business Entities, especially those placed in critical sector company projects in order to keep their operational and challenge of being able to monitor health condition and mobility of each employee according to a predetermined work schedule. Information System requirement is expected to support the pandemic situation in the company's operations that can be easily accessed by its employees. The author/writer conducts research in developing an information system or application in the form of a mobile application that can be installed on a smartphone based on the Android and IOS operating systems. Mobile Application design architecture in UML (Unified Modeling Language) and programming with single web standard code as HTML, CSS and JavaScript programming languages and build Native Engine rendering in the Full Stack Development framework which is developed in frontend and backend. Mobile Application Development has a security path with login authentication to accessing. Mobile application function is expected to be able to monitor employee attendance status (presence), health assessment, employee status working remotely or work in office, knowing employee mobility with geolocation feature which currently all smartphones have GPS features and can be used as employee task reports stored in the database.*

**Keywords:** *Mobile Application Development, Full Stack Development, Health Assessment*