

## **Web and Android-Based Applications as a Breakthrough in Preventing Non-System Fault Disturbances Due to Work Errors in the Transmission Unit**

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**Abstract :** Work safety is among the most important things in work execution. Unsafe conditions and actions are priorities in accident prevention in the world of work, especially in the operation and maintenance of electric power transmission. Considering the scope of work, operational work in the transmission has a very high safety risk. Various efforts have been made to avoid work accidents. However, accidents or disturbances caused by non-conformities in work implementation still often occur. Unsafe conditions or actions can cause these. Along with the development of technology, website-based applications and mobile applications have been widely used as a medium to monitor work in real-time and by more people. This paper explains the use of web and android-based applications to monitor work and work processes in the field to prevent work accidents or non-system fault disturbances caused by non-conformity of work implementation with predetermined work instructions. Because every job is monitored in real-time, recorded in time and documented systemically, this application can reduce the occurrence of possible unsafe actions carried out by job executors that can cause disruption or work accidents.

**Keywords :** work safety, unsafe action, application, non-system fault, real-time.

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