Universiti Teknologi MARA

Development of Malaysian Reserve Army Web Based Alert System

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"In the name of ALLAH S.W.T. the Most Beneficent and Most Merciful"

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ABSTRACT

Malaysian Territorial Army Regiment (TA) have been actively participate in Human Assistances Disaster Recovery (HADR) mission and also have increase military training exercise so that the soldiers can be more prepare in facing any threats. During every training and disaster recovery mission being executed, the Duty Officer (DO) in the regiment have a problem in sending multiple alert at the same time to all the soldiers in the regiment when an alert notification need to be send in order to test the operational readiness of the soldiers in facing unexpected threat situation or disaster. The aim of this research project is to develop Malaysian Reserve Army Web Based Alert System (MRAWBAS) that can manage alert records and at the same time have the ability to send multiple alert notification to the soldiers. The scope is focus on the DO as the admin for the system, that can used the system in manage the alert records and can send multiple alert message to the soldiers. For the user that is the soldiers, the ability of receiving an alert notification directly to them is needed. The project methodology that being used in developing this system is Rapid Application Development (RAD) model, this is because RAD can faster the development process in a short period of time. After conducting preliminary studies and gathering all the user requirements, the result show that the DO in TA unit have a problem in sending multiple alert notification and do not have a system that can manage the alert records. By using this system, the result that can be achieve from the system is it can manage alert records and able to send multiple alert notification. For the future development purpose, this system could have a mobile application as a medium of receiver thus can eliminate the use of Telegram application in this system.

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