

UNIVERSITI TEKNOLOGI MARA

**A WEB BASED SYSTEM FOR LOST AND FOUND
ITEMS SYSTEM USING RFID AND EMAIL
NOTIFICATION**

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STUDENT'S DECLARATION

I certify that this report and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

The project that develops is Lost and Found Items System using an RFID and an email notification. The main purpose of project development is to trace owner details and notify them via an email notification. Email is the right technology as a communication platform that secure platform than social media. The lost and found the system will involve with IoT based such as NodeMCU ESP8266 and RFID RC-522. The IoT stuff is used to scan the RFID tag/card to detect the owner of the losing items. Lost and found items station were located at HEP building in UiTM Arau branch. The main target user for this system is the student that can be in charge as the tester for this project. For the information, the system has two-part. The first part is the student must register their details at the station to get the tag/card which the tag/card need to attach at their items. The tag/card consists of owner details such as name, id, gender, email, number phone, second number phone, Telegram username, status items, date lost, and date return. The second part is the user can register an account in the user part to report any cases of missing or found items. Next, the survey conducted around 20 people of students and staffs using Google Form questionnaire. Lastly, the result of the study shows that most of the respondents agreed that the system is suitable to implement in UiTM Perlis.

Keyword: Lost and Found, email notification, web-based, NodeMCU ESP8266, RFID RC-522

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