Universiti Teknologi MARA

Smart Box –
Cold Storage Monitoring Using Raspberry Pi

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ABSTRACT

Environment monitoring system has been implemented with the use of open standard technology. The aim for this project is to have it designed and implemented as cost efficient as possible. A cold storage should always be checked, well protected and monitored from any threats that may affect the quality of the goods stored in it. Therefore, the use of Smart Box Raspberry Pi is introduced to overcome this issue because the current system requires a relatively high maintenance cost and inefficiency of the system. Smart Box is built with the temperature sensors and monitoring system to protect and monitor the environment of cold storages. Besides built-in sensors, this project will communicate to the web-based framework to view the reading of temperature in cold storage. Then, a person in charge will get notified about the condition status of cold storage for further action.

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