

Universiti Teknologi MARA

**The Implementation of Spares Management
Application System in Network Operation,
Telekom Malaysia**

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ABSTRACT

The Spares Management Applications System (SMAS) represents a way forward in providing easily-deployed, cost-effective solutions to enable spares management of telecommunication equipment parts in almost all telecommunication network equipment, except remote rural areas, where the nearest station could make sense. This system offers a significant advantage in terms of access to users, notably its flexibility in relation to the access communication infrastructure, which is not dependent on communications technology availability. On the other hand, it does have practical problems regarding the range of functional capabilities from search spares and update inventory, when multiple users operate in the same application. Telekom Malaysia is the largest telecommunication service provider in Malaysia. One of its support system services is Spares Management Applications System (SMAS). The main services offered by this SMAS system are such as searching spares, update inventory of spares, setting up spares requirement level (optimization), management report and on-line spares management concept. This independent study will study the implementation of Spares Management Applications System (SMAS) in Telekom Malaysia. The study will also analyze the performance statistics of spares management online concept in operation unit through http web browsing (Intra net).