



**PREVENTIVE MAINTENANCE FOR THE AIR CONDITIONING SYSTEM IN
PTAR 1**

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ABSTRACT

Preventive maintenance is a complex maintenance system. It is needed to ensure any components function accordingly and reflect high reliability. The objective of this project is to study air conditioning system and propose the preventive maintenance schedule for Perpustakaan Tun Abdul Razak 1 air conditioning plant. In order to come up with the maintenance schedule, study and familiarization on the air conditioning system in PTAR 1 are done. Then, the data collected is analyzed and preventive maintenance schedule is proposed. As the result, the preventive maintenance schedule is presented and discussed. The result ensures that no failure will occur during operation. The period of checking, service and replacement is between 1 month to 1 year for all components. Finally, as a conclusion, based on the study, it is found that preventive maintenance is more suitable and reliable than breakdown maintenance for servicing particular air conditioning system in Perpustakaan Tun Abdul Razak.

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