Abstract

Maintaining production engines is an important process to make sure that the engines are reliable in order to keep the production process running smoothly. To conduct maintenance of production machines, the management requires information/knowledge about engines maintenance. But not all of knowledge are collected and well documented. The process of collecting and documenting is important, given the possibility of the maintenance personnel mutation, rotation and retirement which can make the maintenance knowledge vanish from the organization. An undocumented knowledge often leads to uneffective maintenance process and unnecessary cost which is why this study is conducted in the field of maintenance management system by doing assessment of potential risks and determining the suitable form of documentation by considering human cognitive factors. The well documented knowledge will make the maintenance personnel more equipped in dealing with potential risks assessed.

Keywords: Maintenance, Knowledge Management, Cognitive
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