PRELIMINARY STUDY ON INDOOR CLIMATE IN A NAVAL SHIP

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ABSTRACT

The main issue of ventilation in ships is in controlling the heat and humidity. The high heat and humidity reduce cabin crews' productivity and may cause failures of the equipment onboards. This study aimed to determine the indoor climatic conditions inside a naval ship. The indoor climate parameters (temperature, relative humidity, and air movement) were measured by using real-time instruments at the selected eight sampling points. From the assessment, all the sampling points were not compliant with the Industry Code of Practice on Indoor Air Quality 2010 (ICOP on IAQ 2010) for all the indoor climate parameters. Therefore, the ship management especially the maintenance division is encouraged to conduct inspections of the MVAC systems to resolve the poor indoor climatic issues identified during the study.

Keywords: Indoor climate, naval ship

Acknowledgement: We thank Royal Malaysian Navy for the support in carrying out this project.