**Perception of Lecturers towards Contra-Rotating and Variable Pitch Propeller Aircraft Maintenance Trainer (AMT) as Teaching and Learning Tool**

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The aim of this study is to investigate the perception of lecturers in regard to the implementation of the Contra-Rotating and Variable Pitch Propeller Aircraft Maintenance Trainer, AMT as a teaching and learning aid tool for theory academic courses of the Diploma in Aircraft Maintenance at Politeknik Banting Selangor. This study argues that the tool will assist students to engage in practical task related to the module which will enhance and strengthen their understanding on the topics of the theory modules delivered by the instructors. Among the features that the system contains are that the students are able to gain deeper knowledge by comparing the airflow and airspeed between fixed, variable pitch and contra rotating propeller. A questionnaire survey was distributed to 20 lecturers who are involved in teaching and learning of the theory Civil Aviation Authority of Malaysia, CAAM Module 17-Propeller and Module 8-Basic Aerodynamics courses at the Department of Aircraft Maintenance, Politeknik Banting Selangor. The data were analysed with the help of the Statistical Package for Social Science (SPSS), which used a five-point Likert scale to demonstrate degrees of agreement. The finding showed that the lecturers generally accept the Aircraft Maintenance Trainer, AMT as a teaching aid. Ultimately, by this teaching and learning tool students should be able to visualize the information of thrust from each different type of propellers and students should be able to compare the airflow and airspeed between fixed, variable pitch and contra rotating propeller. It is proposed that the Contra-Rotating and Variable Pitch Propeller Aircraft Maintenance Trainer, which is found to be an effective teaching and learning tool during classroom instruction, to be made available as a component of the teaching and learning environment in the Department of Aircraft Maintenance, Politeknik Banting. In future, the researchers hope that the teaching aid can be extended its use to other Aircraft Maintenance Training Schools.

*Keywords: Propeller; Aircraft Maintenance Trainer; Variable Pitch; Contra Rotating Propeller; Teaching and Learning.*