

ABSTRAK

Integrated Procedures Trainer (IPT) adalah suatu alat pelatihan untuk kokpit sistem pesawat bersifat statis: diam tidak bergerak lalu ada proses *Maintenance List* yang menggunakan kertas sehingga saya menciptakan. Aplikasi yang dipergunakan untuk proses *maintenance* para *engineers* khususnya di bagian *Integrated Procedure Trainer* (IPT). Proses *maintenance* yang dilakukan setiap hari mengakibatkan kebutuhan kertas yang cukup banyak bisa menghabiskan kurang lebih 5 lembar per hari, Karena Sebelumnya proses *maintenance* dilakukan menggunakan kertas secara konvensional, dengan resiko data akan mudah hilang dan meminimalisir penebangan pohon yang terus menerus dilakukan di Indonesia. Adapun metode yang dilakukan ialah *experimental coding*. Didalam fitur aplikasi ini terdapat 3 jenis tipe *Integrated Procedures Trainer* (IPT) dan 2 jenis *Maintenance List*. Dengan adanya aplikasi ini penulis berharap terciptanya simulasi aplikasi *Maintenance List IPT* dan membantu para *engineers* untuk memudahkan dalam melakukan proses *maintenance list* keunggulan aplikasi ini juga mampu menyimpan dokumen laporan di *database* dan disimpan secara khusus, lalu aplikasi ini juga bisa menghemat sekian kertas karena Garuda Indonesia sudah mulai menerapkan *Paper Less*

Kata kunci : *Integrated Procedure Trainer (IPT), Experimental coding, Maintenance List, Paper Less*

ABSTRACT

Integrated Procedures Trainer (IPT) is a training tool for cockpit aircraft systems that are static, namely; silent and motionless. Engineers ordinary carry out maintenance lists whose process is still using paper. In this process, paper usage is estimated to be able to spend approximately 5 pieces per day. other than that it can be at risk of easy data loss, stacked up and even neglected. Therefore, I created an application that can be used by engineers in the maintenance list process, especially in the Integrated Procedures Trainer (ITP) section. The method used in developing this application is *experimental coding*. This application is capable of storing report documents in the database and stored specifically. in addition, in this application feature there are 3 types of Integrated Procedures Trainer (ITP) and 2 types of maintenance lists that are expected by the author to create maintenance list Interaction Procedures Trainer (ITP) simulations and facilitate engineers in carrying out maintenance list processes. Using this application can save paper usage while minimizing tree felling carried out continuously in Indonesia. This is in line with the Garuda Indonesia program which began implementing the *paper less* system.

Keywords: Integrated Procedure Trainer (IPT), Experimental coding, Maintenance List, Paper Less