

ABSTRAK

Judul : Rancang Bangun *Tracking* Pengiriman Dokumen Menggunakan Penerbangan Pesawat Di PT. Lion Air *Group* Berbasis *Website*.

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Program Studi : Teknik Informatika

PT. Lion Air *Group* adalah salah satu perusahaan jasa penerbangan yang ada di Indonesia. Dalam dunia penerbangan dokumen perawatan, dan dokumen penerbangan sangat penting untuk mengetahui *historical* pesawat, dan juga sebagai *SOP* dari otoritas penerbangan yang ada didunia. Karena ini jasa penerbangan maka dokumen penerbangan dan perawatan pasti berada di banyak daerah atau bandara yang dilalui. Dalam mencapai target itu dimulai dari bagaimana cara merawat dokumen supaya bisa aman, bisa *tracking* lokasi dokumen berada, dan mempermudah dalam pelacakan dokumen yang hilang. Maka dibutuhkan sistem suatu perancangan pengiriman dokumen dan *tracking* pengiriman dokumen supaya masalah yang terjadi itu bisa terselesaikan. Melihat masalah ini metode analisa masalah menggunakan metode *fishbone* untuk memecahkan masalah dari segi sebab, akibat dan juga memberikan solusi yang diberikan untuk masalah tersebut. Metode *Extrime Programing* digunakan untuk rancang bangun pengembangan sebuah sistem pengiriman dokumen yang menjadi masalah diatas. Metode pengujian menggunakan *Black Box Testing* bertujuan untuk memeriksa setiap tahapan akhir projek, apakah sistem berfungsi dengan baik, dan melayani pengguna secara efisien. Dalam menggunakan metode analisa masalah, metode pengembangan sistem, dan metode pengujian penelitian diatas, pengiriman dokumen bisa secara cepat dalam *tracking* pengiriman supaya mempermudah dalam proses pelacakan dan pengiriman dokumen penerbangan serta perawatan pesawat.

Kata Kunci : *Tracking, Historical, Fishbone, Extrime Programing, Black Box Testing, Berbasis Web.*

ABSTRACT

Title: Design of Aircraft Flight Document Delivery Tracking at Pt. Lion Air Group Based Website.

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Study program : Information Engineering

PT. Lion Air Group is one of the aviation service companies in Indonesia. In the world of aviation, maintenance documents and flight documents are very important to know the history of the aircraft, and also as SOPs from aviation authorities in the world. Because this is an aviation service, flight documents and maintenance must be in many areas or airports that are passed. In achieving that target, it starts with how to take care of documents so that they can be safe, can track the location of documents, and make it easier to track lost documents. So we need a system of document delivery design and document delivery tracking so that the problems that occur can be resolved. Seeing this problem, the problem analysis method uses the fishbone method to solve the problem in terms of causes, consequences and also provide a given solution to the problem. The Extreme Programming method is used to design the development of a document delivery system that is the problem above. The testing method using Black Box Testing aims to check each final stage of the project, whether the system is functioning properly, and serves users efficiently. In using the problem analysis method, system development method, and research testing method above, document delivery can be quickly tracked in order to simplify the process of tracking and sending flight documents and aircraft maintenance. The testing method using Black Box Testing aims to check each final stage of the project, whether the system is functioning properly, and serves users efficiently. In using the problem analysis method, system development method, and research testing method above, document delivery can be quickly tracked in order to simplify the process of tracking and sending flight documents and aircraft maintenance. The testing method using Black Box Testing aims to check each final stage of the project, whether the system is functioning properly, and serves users efficiently. In using the problem analysis method, system development method, and research testing method above, document delivery can be quickly tracked in order to simplify the process of tracking and sending flight documents and aircraft maintenance.

Keywords : Tracking, Historical, Fishbone, Extrime Programing, Black Box Testing, Web Based.