

**ANALISIS POTENSI BAHAYA TERHADAP KESELAMATAN
PENERBANGAN DI BANDAR UDARA INTERNASIONAL AHMAD YANI
SEMARANG DENGAN METODE FAULT TREE**

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Abstrak

Penelitian ini bertujuan untuk mengetahui potensi bahaya terhadap keselamatan penerbangan khususnya penyebab dari bounching di runway yang sangat mengganggu ketika proses landing.

Penelitian ini diambil di Bandar Udara Internasional Ahmad Yani Semarang. Dari hasil data yang diperoleh peneliti menggunakan program Microsoft excel untuk pengolahan data. Sehingga dapat mengetahui besar maksimal cross-wind dan tail-wind yang diterima oleh pesawat ketika proses landing baik dari sisi kanan maupun kiri pesawat

Hasil penelitian menunjukkan bahwa kemungkinan terbesar pesawat udara mendapatkan tail-wind yaitu ketika sudah melewati pukul 18:00. Karena pada saat tertentu angin berhembus dari arah nort, north west, dan west pada saat itu pesawat mendapatkan tail-wind. Karena di Bandar Udara Internasional Ahmad Yani Semarang hanya dapat landing menggunakan runway number 13 disebabkan karena perangkat Instruman Landing Sistem (ILS) hanya terdapat pada runway number 13.

Kata Kunci: Cross-wind, Tail-wind, Keselamatan Penerbangan, Landing

**ANALYSIS OF THE POTENTIAL DANGER TO SAFETY IN
INTERNATIONAL AIRPORT SEMARANG AHMAD YANI WITH
FAULTTREE**

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Abstract

This research aims to determine the potential hazard to the safety of flights in particular cause bouncing on the runway which is very annoying when the process. landing

This study was taken at Ahmad Yani International Airport in Semarang. From the results of the data obtained by researchers using Microsoft Excel program for data processing. So as to know how much the maximum cross-wind and tail-wind received by the aircraft when process landing from both right and left side of the aircraft

results showed that the most likely aircraft get tail-wind that is when it passed 18:00. Because at a certain moment the wind blows from the north, north west and west at the time get a aircraft tail-wind. Because Ahmad Yani International Airport in Semarang can only landing use runway number 13 due to the device Instrument Landing System (ILS) is found on the runway number 13.

Keywords: Cross-wind, Tail-wind, Flight Safety, Landing