

## ABSTRAKSI

PT. Nusantara Buana Air adalah perusahaan yang bergerak di bidang penerbangan *support charter* dan melayani penerbangan antar pulau terpencil dengan runway minimal 800 meter yang sulit mendarat untuk pesawat besar seperti Boeing atau Airbus, NBA mampu landing di daerah terpencil. NBA dalam setahun dapat melayani 7.000 jam dengan 6 Pesawat.

Agar tetap mampu tumbuh dalam persaingan yang tajam, PT. Nusantara Buana Air harus mampu mengurangi waktu delay dan AOG (*Aircraft On Grounded*) agar dapat mempengaruhi kepuasaan penumpang. Masalah yang terjadi pada lamanya waktu AOG (*Aircraft On Grounded* pada *Maintenance Program – Inspection C6* yaitu 75 hari yang tidak terkontrol dan tidak termonitor yang berakibat langsung kepada penumpang dan *finality* yang harus di bayar oleh perusahaan ke Pemda daerah karena tidak menjalankan *route* yang telah ditetapkan. *Reliability Centered Maintenance (RCM)* adalah salah satu solusi untuk menekan lamanya waktu AOG (*Aircraft On Grounded*), setelah menerapkan *Reliability Centered Maintenance (RCM)* dapat mengurangi waktu menjadi 40 hari dengan mengetahui akar permasalahan dan melakukan *Improvement* dalam proses pelaksanaan *Inspection C6*.

AOG (*Aircraft On Grounded*) pada *Maintenance Program – Inspection C6* dapat dicapai di tekan proses pengerjaan *Inspection C6* dengan melakukan strategi perbaikan oleh perusahaan yaitu dengan melakukan perbaikan internal perusahaan dengan mengoptimalkan kinerja manusia, mesin, material, metode, dan lingkungan kerja saat ini. Memberikan training untuk meningkatkan *skill* dan tanggung jawab *engineer*, pihak *Production Planning & Control (PPC)* dan *Engineering* bekerja sama dengan pihak *Maintenance* dan *Marketing* dalam pembuatan jadwal *preventive maintenance*, pengadaan *spare part*, *corrective maintenance* dan selalu menganalisa kondisi *engine* pesawat secara terus-menerus, melakukan pembuatan standart prosedur penggantian komponen pesawat dan pemesanan *Spare part* kepada *supplier* agar mendapatkan *Spare part* dengan karakteristik yang dibutuhkan oleh perusahaan.

Kata kunci : *Reliability Centered Maintenance (RCM)*, *Aircraft On Grounded (AOG)*



## *ABSTRACT*

*PT. Nusantara Buana Air is a company engaged in the field of aviation support and serves charter flights between remote island with a minimum 800 meter runway hard landing for large aircraft such as Boeing or Airbus, the NBA capable of landing in remote areas. NBA in a year to serve 7,000 hours with 6 aircraft.*

*In order to remain able to grow in the fierce competition, PT. Buana Nusantara Air must be able to reduce the time delay and AOG (Aircraft On Grounded) that can affect passenger satisfaction. Problems that occur in the length of time AOG (Aircraft On Grounded on Maintenance Programs - Inspection C6 which is 75 days of uncontrolled and unmonitored resulting finality directly to the passenger and must be paid by the company to the local government for not running the route is set . Reliability Centered Maintenance (RCM) is one solution to reduce the length of time the AOG (Aircraft On Grounded), Reliability Centered Maintenance (RCM) can reduce the time to 40 days to determine the root cause and conduct in the implementation process Inspection Improvement C6. AOG (Aircraft On Grounded) on Maintenance Programs - Inspection C6 can be reached at press Inspection C6 with the process of pursuing a strategy of repair by the company is to undertake internal improvements by optimizing the performance of man, machine, material, method, and the current work environment. Provide training to improve the skills and responsibilities of engineers, the Production Planning & Control (PPC) and working with the Engineering Maintenance and Marketing in scheduling preventive maintenance, spare parts procurement, corrective maintenance and always analyze the condition of the aircraft engine is on - again, perform standard manufacturing procedures and ordering replacement aircraft Spare parts to suppliers in order to get a spare part with the characteristics required by the company.*

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*Keywords : Reliability Centered Maintenance (RCM), Aircraft On Grounded (AOG)*

