

## ABSTRAK

Pencahayaan pada instrumen pesawat diperlukan agar pilot/copilot dapat mengontrol sikap dan kondisi pesawat. Pencahayaan tersebut berfungsi memberikan penerangan pada instrument pesawat. Sistem pencahayaan yang terdapat pada pesawat CRJ 1000 antara lain *display lighting*, *integral lighting*, *floodlighting* dan *circuit breaker lighting*.

*Center pedestal lighting control panel* tidak dapat memberikan kontrol pencahayaan yang cukup pada *integral lighting system*, sehingga pilot membutuhkan waktu yang agak lama untuk mengontrol sikap dan kondisi pesawat. Permasalahan yang terjadi berupa kontrol INTEG yang tidak dapat dioperasikan.

Penyelesaian diawali dengan *operasional test* pada *center pedestal lighting control panel*. Setelah *operasional test*, permasalahan yang terjadi termasuk dalam *center pedestal lighting control panel unserviceable*. Sesuai dengan *Fault Isolation Manual* CRJ 1000 harus dilakukan penggantian komponen *center pedestal lighting control panel*.

Langkah pemeliharaan selanjutnya berupa penggantian *center pedestal lighting control panel* tersebut. Perbaikan *center pedestal lighting control panel* dapat dilakukan di *workshop*. Dengan penggantian *center pedestal lighting control panel* yang baru terlihat pencahayaan dalam instrumen sudah seperti sebelumnya.

**Kata kunci:** *Lighting*, *Center pedestal lighting control panel*, Operasional tes

## ABSTRACT

Lighting on aircraft instruments is needed so that the pilot / copilot can control the attitude and condition of the aircraft. The lighting functions to provide illumination on aircraft instruments. The lighting systems found on the CRJ 1000 aircraft include display lighting, integral lighting, floodlighting and circuit breaker lighting.

The center pedestal lighting control panel cannot provide sufficient lighting control on the integral lighting system, so the pilot needs a longer time to control the attitude and condition of the aircraft. The problem that occurs in the INTEG control that can not be operationalized.

The completion begins with an operational test at the center pedestal lighting control panel. After the operational test, problems that occur are included in the unserviceable center pedestal lighting control panel. In accordance with the Fault Isolation Manual CRJ 1000 must be replaced with the center pedestal lighting control panel components.

The next step maintenance is to replace the center pedestal lighting control panel. Repairing the pedestal lighting control panel center can be done in the workshop. With the replacement of the center pedestal lighting control panel, the new lighting in the instrument looks like before.

**Keywords:** Lighting, Center pedestal lighting control panel, Operational test