

ABSTRAK

Flaps merupakan *secondary flight control* yang berfungsi untuk mengendalikan laju udara yang mengalir melalui sayap pesawat. Ditemukannya *abnormal condition* dalam pelaksanaan *functional test* pada *flap control mechanism*. Setelah *abnormal condition* diidentifikasi dilaksanakannya *troubleshooting* pada *flap control mechanism*.

Ditemukannya kerusakan pada *gearbox flap control unit* yang diidentifikasi pada *control resolvers* dimana *control resolvers* tidak dapat bekerja dengan benar yang menyebabkan *flap retract* dengan *half speed*.

Setelah dilakukan *troubleshooting* tidak ditemukannya suatu *abnormal condition* saat *functional test*, maka *flap control mechanism* telah bekerja dengan benar.

Kata kunci: *flap control mechanism, troubleshooting, flap control unit.*

ABSTRACT

Flaps are a secondary flight control that functions to control the rate of air flowing through the aircraft's wings. Found abnormal conditions in the implementation of functional tests on the flap control mechanism. After identifying the abnormal conditions, troubleshooting is performed on the flap control mechanism.

The damage was found in the flap control unit gearbox identified in control resolvers where control resolvers could not work properly causing the flap to retract with half speed.

After troubleshooting, an abnormal condition is not found during the functional test, the flap control mechanism has worked correctly.

Keywords: *flap control mechanism, troubleshooting, flap control unit.*