

## ABSTRAK

PT GMF AeroAsia Tbk. adalah perusahaan yang bergerak di bidang perawatan pesawat, komponen pesawat, dan *engine* pesawat. Pada *Unit Component Maintenance*, salah satu *project* utamanya adalah perawatan komponen *Aircraft Battery*, salah satunya adalah *Aircraft Battery part number* 024147-000. Pada umumnya, TAT perawatan *battery* adalah 5 hari, namun pada kenyataannya melebihi target tersebut. Untuk melakukan identifikasi terhadap apa yang terjadi pada sistem perawatan komponen tersebut, dibuatlah *current state mapping* dan *process activity mapping* untuk mengidentifikasi *value added activity* dan *non value added activity* dengan referensi riwayat proses perawatan yang telah selesai. Setelah teridentifikasi, dilakukan identifikasi terhadap *waste* yang terjadi pada sistem perawatan. Sebagai upaya untuk mengurangi *waste* tersebut, dibuatlah *future state mapping*, proyeksi perbaikan, dan perbaikan *gate system*. Berdasarkan hasil analisa terdapat dua jenis *waste* pada proses perawatan, yaitu *process* pada *gate* 3 dan 5, dan *waiting* pada *gate* 4 dan 6. Apabila rekomendasi perbaikan tersebut dilakukan, maka *lead time* dapat berkurang dari 5,06 hari menjadi 4,06 hari.

**Kata kunci:** *Lean Service, VSM, RCA, FMEA, Lead Time, Turn Around Time*



## **ABSTRACT**

*PT GMF AeroAsia Tbk. is a company engaged in aircraft maintenance, aircraft components, and aircraft engines. In the Component Maintenance Unit, one of the main projects is maintenance of Aircraft Battery components, one of which is Aircraft Battery part number 024147-000. In general, the TAT of battery maintenance is 5 days, but in reality it exceeds the target. To identify what happened to the component maintenance system, a current state mapping and process activity mapping were made to identify value added activities and non value added activities with reference to the history of the completed maintenance process. Once identified, identification of the waste that occurs in the maintenance system is carried out. As an effort to reduce this waste, future state mapping, projected improvements, and gate system improvements were made. Based on the results of the analysis, there are two types of waste in the maintenance process, namely the process at gates 3 and 5, and waiting at gates 4 and 6. If the recommendation for improvement is carried out, the lead time can be reduced from 5.06 days to 4.06 days.*

*Keywords: Lean Service, VSM, RCA, FMEA, Lead Time, Turn Around Time*

