

## ABSTRAK

PT. GMF AeroAsia Tbk. adalah perusahaan yang bergerak di bidang perawatan pesawat, komponen pesawat, dan engine pesawat. Pada dinas *component services* unit *fuel and hydraulic shop*, salah satu *project* utamanya adalah perawatan komponen *landing gear*, salah satunya adalah *main landing gear retract actuator* PN 273A2101-101. Pada pelaksanaannya, terjadi indikasi *waste* karena *project* yang harusnya diselesaikan dalam 30 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 tiga *project* terakhir yang dilaksanakan pada tahun 2019. 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*. Apabila rekomendasi perbaikan tersebut dilakukan, maka *lead time* dapat berkurang dari rata-rata 37,4 hari (299,5 jam) menjadi 27.6875 hari (221,5 jam).

Kata kunci: *Waste, current state mapping, process activity mapping, value added activity, non value added activity, future state mapping, lead time.*



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## ABSTRACT

*PT. GMF AeroAsia Tbk. is a company engaged in aircraft maintenance, aircraft components, and aircraft engines. In the component services unit fuel and hydraulic shop service, one of the main projects is maintenance of landing gear components, one of which is the main landing gear retract actuator PN 273A2101-101. In practice, there are indications of waste because the project should be completed in 30 days, but in reality 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 last three projects implemented in 2019. After identification, identification of waste that was carried out was carried out. occurs in the maintenance system. As an effort to reduce this waste, future state mapping, projected improvements, and gate system improvements were made. If the recommendation for improvement is carried out, the lead time can be reduced from an average of 37.4 days (299.5 hours) to 27.6875 days (221.5 hours).*

*Keywords: Waste, current state mapping, process activity mapping, value added activity, non value added activity, future state mapping, lead time.*

