

ABSTRAK

Fasilitas alat-alat besar di bandara Soekarno-Hatta memiliki masalah dengan sering terjadinya *breakdown* pada peralatan *Rubber remover* di sisi udara saat beroperasi. *TPM (Total Productive Maintenance)* secara gradual mengenalkan cara pandang baru untuk mengurangi *breakdown* dan *defect* dengan melibatkan operator dalam upaya merawat kondisi dasar mesin yang bisa dilakukan sehari-hari yang disebut *Autonomous Maintenance*. Setelah dianalisa dari hasil nilai *Overall equipment efectiviness (OEE)*, faktor utama masalah sering terjadinya *breackdown & defect* adalah karena operator kurang memperhatikan kebersihan alat dan SOP sehingga sering terjadi permasalahan yang mengganggu operasional. Penerapan *Autonomous maintenance* dinilai berhasil mengurangi *breakdown* yang dapat dilihat dari hasil nilai OEE. Hasil analisa nilai OEE akhir tahun 2016 pada bulan September 44,58%, oktober 37,49% dan November dengan nilai 51,02%. Hasil nilai OEE pada tahun 2017 bulan januari 70,86%, februari 70,76% dan maret 73,5%. Penerapan *Autonomous Maintenance* berdampak positif dalam meningkatkan pengetahuan operator terhadap peralatan yang membantu mengurangi waktu *breakdown* dengan mampu melakukan penindakan langsung.

kata kunci : *Autonomus maintenance, OEE, Rubber remover.*



ABSTRACT

The facilities of large equipment at Soekarno-Hatta airport have problems with frequent breakdowns on Rubber remover equipment on the air side during operation. TPM (Total Productive Maintenance) gradually introduces a new way of viewing to reduce breakdown and defect by involving the operator in an effort to maintain basic daily machine conditions called Autonomous Maintenance. After analyzed from the results of Overall Equipment Effectiveness (OEE), the main factor of the problem is the occurrence of breackdown & defect is because the operator is not paying attention to the cleanliness of the tool and SOP so that there are often problems that interfere with the operation. The implementation of Autonomous maintenance is considered successful in reducing the breakdown that can be seen from the OEE value. The results of OEE analysis by end of 2016 in September was 44.58%, October 37.49% and November with 51.02%. The results of OEE value in the year 2017 januari 70,86%, february 70,76% and march 73,5%. The application of Autonomous Maintenance has a positive impact on improving operator knowledge of equipment that helps reduce breakdown time by being able to perform direct action.

Keywords: Autonomus maintenance, OEE, Rubber remover.

