

## **ABSTRACT**

*This research aims to know about increase effective implementation of system management maintenance of shutdown maintenance and also ISMO as a comparison on metal working machine. The Machine as a research object is Lathe machine, Shaping, Radial drill machine, and bandsaw. This Analysis using percentage analysis with ask for opinion to workshop team, perform comparative analysis using Uji T, also using downtime analysis, availability, and then MTTR & MTBF on the machine. The results of research is implementation of system management maintenance of ISMO was show positive result to perform of metal working machine, compared to implemented of system management maintenance of shutdown maintenance.*

*Keyword: effective, shutdown maintenance, ismo, and metal working machine.*



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