

## **ABSTRACT**

*PT. Otrismo Industri Mandiri is a company engaged in the health sector. Products and services applied by PT. Otrismo Industri Mandiri is widely marketed in various regions in Indonesia, the vision of the Otrismo Medical Center Laboratory is to become a quality clinical laboratory in service and high technology in 2021 and the mission of the Otrismo Medical Center Clinical Laboratory is to carry out clinical laboratory services with national standards. net income of the Otrismo Medical Center Clinical Laboratory for the period 2019 - 2020 from January to December, with a monthly income target of Rp. 700.000.000. It can be concluded that the income graph of the Otrismo Medical Center Clinical Laboratory tends to decrease. The population in this study are all employees of PT. Independent Industrial Authority. The method used to measure mental workload is the NASA-TLX method. The purpose of this study is to analyze the mental workload conditions at PT. Otrismo Industri Mandiri uses the NASA-TLX method and determines the ideal number of employees at PT. Otrismo Industri Mandiri based on the results of workload analysis. The conclusion is that the workload of group A is 57.40 and the workload of group B is 135.79 for the workload of group C which is 115.90 in the workload of group D is 215.17 and lastly for the workload of groups E and F. of 77.88 and 114.52.*

**Keywords: Performance, Workload, Human Resources Development, Mental Workload and NASA-TLX**