

## ***ABSTRACT***

*The operational load capacity of the plant will fluctuate or change constantly. It is caused by the electrical equipment that helps the generation process has its own functions, where there are electrical equipment that will always operate, and there are also electrical equipment that will be operated at certain times. This study aims to analyze the effect of changes in plant operational load on changes in the UAT transformer load load changer using ETAP 12.6.0 applications. Two schemes are carried out, namely changes in load based on the assumption of several running loads and changes in load in the event of a disturbance to the transformer Power Distribution Center (PDC). The result of this study is the improvement of voltage when there is a high load change by changing the large on load tap changer*

***Key word*** : *Load fluctuation, system interference, voltage drop, On load tap changer, auxiliary transformer unit.*