# LAYOUT DESIGN AND STORAGE OF GOODS USING THE CLASS BASED STORAGE METHOD AT PT X COMPONENT WAREHOUSE

## Abstracts

The component warehouse as an object in this study has several problems. The problems in the component warehouse are that it must expand the warehouse to be able to store the increasing components and find the right storage method so that the stored components remain neat and orderly. In an effort to overcome this, a new component warehouse layout design was made using the Class Based Storage method. The Class Based Storage method is a storage method that divides goods according to the specified class. Based on the ABC classification, components are grouped into three classes, namely Class A component product variation J with 180 components, Class B component product variation E with 180 components, Class C component product variation F with 180 components. After that, a proposed layout improvement was made by paying attention to the number of shelves, to the width of the aisle work path. With the proposed layout design, an increase in storage capacity in the upper component warehouse by 45% and a decrease in the distance of component movement in the upper component warehouse by 15.83%.