ABSTRACT

CV. Green Alu is a company engaged in the assembly of aluminum doors and windows. CV. Green Alu has approximately 75 workers in the workshop and 15 workers in the office, and only operates with 1 shift with a production capacity of 80 units of doors or windows per day. Based on previous observations, discomfort was found in the office due to noise and odors coming from one of the rooms involved in the aluminum assembly process. One solution to this problem is to relocate the cutting area closer to the office. In addition, another problem identified is that the warehouse is too far away, which requires many workers and takes a long time. To address this issue, the cutting space should be moved closer to the warehouse space. Therefore, the author uses an algorithm method in the form of a flowchart and descriptive. The procedure for improving the layout using this method consists of three stages: the analysis stage, the adjustment stage, and the evaluation stage.

Keywords: Aluminum Doors & Windows, Facility Layout, algorithm method in the form of a flowchart and descriptive.