

ABSTRACT

Manufacturing Process Laboratory (Prosman Lab) is one of the laboratories at the University of Telkom. Prosman Lab is one of the newly established lab. As a newly established lab course in Prosman Lab there are many things that should be corrected. In the lab activities that have been performed there are various problems that are found. One of the most fundamental problem is the inconvenience of lab space. There are several contributing factors including the order which are not ergonomic practicum room space because of the laboratory table facilities are not appropriate. There are 6 laboratory table with a length x width of each 244 cm x 122 cm. In one shift practicum consists of 6 groups with each group of 3 people. Resulting in non-ergonomic layout room. Based on direct observation, practicum table factor becomes the main focus in the repair because it is a facility that has a major impact on the condition of the room where the causes are the not optimal layout of lab space with space for movement does not meet the recommended standards and lead to fatigue or exhaustion for its users. Under these conditions it is necessary to repair the facility lab table.

By using the process of product development Ulrich-Eppinger expected to create improvements to the table that corresponds to the variables so as to create a need for lab activities more comfortable and ergonomic. The formulation of the proposed improvement of laboratory table based on the results from data processing, analysis, and interviews with users. Proposed improvements are given in table design lab adapted to existing conditions.

The Result from the desk improvement of Manufacturing Process Laboratory is a desk with dimension 1100 mm x 600 mm x 720 mm and the sape that can be arranged easily each other.

Keywords: Ergonomics, Practical Tables, Product Development, Ulrich-Eppinger.