

## **ABSTRACT**

### **DESIGN OF A KNOCKDOWN WORK DESK TO SUPPORT DESIGN STUDENT'S ACTIVITIES IN LIMITED SPACES**

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*As the population increases, residential areas become increasingly limited space more constrained. One example is boarding houses (indekost) which are the most preferred accommodation for design students. This is validated by observations of design students at Telkom University, where the average size of indekost room ranges from 9-12m<sup>2</sup> and includes facilities such as wardrobes, bathrooms, and study support like floor desks. This presents a challenge for design students as their specific activities include drawing, using laptops or PC, creating mockups, and making models. The lack of adequate work support facilities in such limited space can hinder these activities impacting the student's productivity. Additionally, preliminary data indicates that design students have a relatively high level of mobility in terms of moving residence. Therefore, they require an ergonomic work desk with a knockdown system that can anticipate and facilitate flexibility in limited space and access conditions. This research is conducted using qualitative methods and the User Centered Design (UCD) approach. Data collection techniques include interviews, questionnaires, participant observation, documentation, and literature study. The result of this design process is a knockdown work desk equipped with storage features, expected to be a solution for design students. The product will then be validated by users.*

**Keywords:** Design Student, Desk, Indekost, Knockdown System, Limited Space and Mobility.