

ABSTRACT

Boarding houses are a temporary housing option for people with affordable housing needs. However, many existing boarding houses are not equipped with adequate facilities, one of which is a sink that plays an important role in maintaining the cleanliness of the residential environment. Limited space in boarding houses forces homeowners to meet the need for facilities, so the placement of the sink must be tricked by placing it in the bathroom. The bathroom in boarding houses generally has a limited area, so furniture such as a sink is often ignored, even though it is very much needed to support the activity of washing cutlery cleanly and efficiently. The absence of this facility makes it difficult for residents and can interfere with the cleanliness of other rooms. Therefore, designing a sink that is in accordance with limited space needs to be done. This study uses a qualitative approach with the User Centered Design (UCD) method, where users are involved in the design process. Data collection techniques are carried out through questionnaires and non-participant observation, while the analysis uses a qualitative approach. The final result of this design is a stainless steel sink product equipped with features based on the needs and difficulties experienced by respondents, namely a sink with sufficient height and components for draining equipment as well as soap and sponge containers. This product is designed to remain functional in limited space and improve cleanliness. Validation is carried out through user trials to assess the effectiveness and comfort of the product according to the needs of boarding house residents.

Keywords: Boarding House, Limited Space, Sink