

ABSTRACT

Housing is a primary need for humans, but the rapid growth in the number of humans is not proportional to the available land for housing needs. One way to solve the problem of limited residential land is to build an apartment. In the apartment human activities can be fulfilled such as resting, bathing, cooking, and eating. Apartments also have different types of rooms, there are also types of apartments that unite the rooms into one, the type of apartment is a studio apartment. However, the problem of limited land for housing also affects apartment land, it has an impact on the size of the apartment space which is narrowing. Like the kitchen room which has an important role in the apartment, activities in the kitchen are also limited due to the narrowing of this room. The furniture that is commonly found in the kitchen room is the kitchen set, but the size of the kitchen set which is quite large is not enough if placed in a narrow room. Therefore, the problem of narrowing this room requires the design of furniture that has a mechanical system. The method used in this design is using a qualitative method, which uses observations at the Azalea Studio apartment, literature study, and interviews. The purpose of this design is to overcome the problem of narrowing the room by designing furniture with a mechanical system.

Keywords: *Limited Land, kitchen set, construction system*