

## ABSTRACT

*The sofa industry is growing very fast in Indonesia and around the world and can open opportunities for designers to design and manufacture local and global sofas to support the country's economy. The modular system sofa has very high characteristics, because it allows easy installation and mobilization of the sofa as well as a customization function that helps sofa users to change the shape of the sofa as desired, so that they can optimize the sofa in a limited living space. In addition, sofas with a modular system without frames have a good influence on the sustainability of society. Looking at the existing phenomena and production potential, this research focuses on designing sofas with a modular system to support the needs of residential living rooms and adjust to people's needs in the ease of use of sofas. The method used is UCD (User Centered Design) with the help of users through interviews, surveys and also literature research. Based on the research conducted, it is known that people like sofas that are simple but comfortable to use and also durable. Judging from the results of surveys and interviews, the designed sofa is a modular sofa that is easily adapted to durable materials, namely Tomford Velvet water repellent which can hold large amounts of water so that the sofa can last a long time.*

**Keywords:** *sustainable design, modular sofa, 3x3 type living room*