

## **ABSTRACT**

### ***Utilization of Reclaimed Teak Wood as Material in Designing a Modular Bookshelf***

**Azhar Amiruddin Al Faruq <sup>1</sup>**

*SI Product Design Study Program, Faculty of Creative Industries, Telkom University*

<sup>1</sup>[azharalfaruq@student.telkomuniversity.ac.id](mailto:azharalfaruq@student.telkomuniversity.ac.id)

---

*This final project aims to describe the concept of designing a modular bookshelf with reclaimed teak wood and applying the concept of sustainable design. The process of designing this modular bookshelf starts from extracting related information about reclaimed wood. Most of the wood waste ends up as a product that has a low economic value such as household fuel or keeps burning in the manufacture of a product. Efforts to use reclaimed teak wood are carried out as a potential for making a product without using new wood-based materials to help reduce the impact of the use of wood-based materials which continues to increase every year. This research focuses on designing a modular bookshelf with reclaimed teak wood as the base material. The method used by the writer in this design is observation and qualitative data search. And the purpose of this product made from reclaimed teak wood is to have a selling value that is able to compete in national and international markets.*

**Keywords :** *sustainable design, multifunctional, bookshelf, waste, teak wood, reclaim.*