

ABSTRACT

Diecast, as a popular collector's item among automotive enthusiasts, comes in various types, one of which is the Mini GT mini-scale, known for its high quality and intricate details. The hobby of collecting diecast, which knows no age limits, is increasingly popular in Indonesia. Along with the growing number of collectors, there is a significant need for storage and display racks that are not only functional in protecting collections but also capable of presenting diecasts in an attractive and aesthetic way. Based on interviews with Mini GT diecast collectors, several important features were identified, such as special lighting, acrylic protectors, and adjustable backdrops, aimed at enhancing comfort and practicality in maintaining and displaying the collections. This study aims to design a storage and display rack with diorama features and a storage drawer for Mini GT diecast collectors that can maximize the display of collections and provide a more enjoyable experience for collectors. The research method used in this study is qualitative with a case study approach, where data was collected through semi-structured interviews, non-participant observation, documentation, and literature review. Data analysis was performed using the Domain Analysis method to identify important design elements. The design method applied is the SCAMPER approach, which enables the creation of creative and innovative design solutions to meet the needs of diecast collectors. The result of this research is the design of a storage and display rack with diorama features and a storage drawer that not only meets functional and aesthetic aspects but also enhances comfort and space effectiveness for Mini GT diecast collectors.

Keywords: *Diecast storage rack, Diorama, Product Design*