

ABSTRACT

COMPOUNDING SKATEBOARD SHOE UPPERS USING PULL UP LEATHER MATERIAL

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In the world of skateboarding, most players often get damage to their shoes as a result of the tricks they perform, especially the basic trick known as *ollie*. *Ollie* involves jumping from ground level with a *skateboard*, which requires players to swipe their shoes against the rough surface of the skateboard. This phenomenon has the potential to damage the outside of the shoe. This study aims to evaluate the material quality and upper construction of *skateboard* shoes with a focus on the design process. Through friction tests, previous studies have identified the type of material that has the appropriate frictional strength and flexibility for use in the upper components of skateboard shoes. The data collection approach involves Research and Development methods as well as the application of *MFC Morphological Forced Connection* Method for data processing. This research includes exploring the different shapes of skateboard uppers to create many innovative shape design options. The design of this skateboard shoe utilizes pull up leather as the main material, with the aim of improving the performance and durability of the shoe. The results of this study provide insight into the development of skateboard shoes that are more resistant to extreme activities and contribute to the innovation of *skateboard shoe upper* design.

Keywords: *Skateboard, Pull up Leather, Shoes.*