

Abstract

Disability is a limitation in the function of the structure of the body, mental, nervous and intellectual systems of humans. There are 21.5 million people with disabilities in Indonesia. The number of foot disabilities (daksa) is 20.04% of the total other persons with disabilities. the role of the government towards persons with disabilities is still lacking. The lack of availability of public facilities and infrastructure, especially in the field of transportation. Many people with disabilities continue to face barriers to satisfying their transportation needs.. So that their access is limited by the minimal amount of transportation that is willing to serve them. For people with disabilities who go to work every day, or just to travel out of the house, of course they need a mode of transportation. From these problems the author has a solution, namely by developing a three-wheeled bajaj vehicle into a vehicle that can be used for disabled individuals. The methods used in assisting this design process include the mix method as data collection and the scamper as an idea booster that helps in thinking about what changes can be made to a product. From the results of this study, a transportation product for people with disabilities was created in the form of a three-wheeled bajaj vehicle development. From this research, It is hoped that it will be successful. help people with disabilities who use wheelchairs in traveling long and close distances. and also adds confidence to people with disabilities to drive vehicles independently.

Keyword : disabilities, vehicle