

ABSTRACT

Air pollution is a major threat to many cities in Indonesia. Two and four motorized vehicles are the main source of air pollution. Every year, the number of motorized vehicles increases very quickly, causing major problems with air pollution and traffic jams. A substitute for traditional motorbikes that are not environmentally friendly is electric motorbikes. However, people rarely see electric motorbikes. The researchers are interested in creating an electric motorbike design that can appeal to the general public as an alternative for daily mobility. This design uses the Design Thinking method and also various references from various existing products and uses several analyzes in the form of body shape and dimensions that will be used. The prototype of the product being designed is a 3D print that resembles the product on a reduced scale. This design not only designs the body of an electric motorbike but also utilizes an unused fuel tank as a storage area for storing the user's belongings. The result of this design is an electric motorbike body with a V-Twin configuration engine style. The colors used are black and chrome.

Keywords : *Electric Motorbike, Design, Body, Storage*