

ABSTRACT

In this era of globalization, many people do a lot of activities through online media, one of which is by buying their needs through online media or what we often call e-commerce or electronic commerce. The increase in public interest in e-commerce services also affects the increase in distribution activities carried out by expedition services through couriers. Generally, couriers deliver packages by riding motorbikes. The use of motorbikes in courier mobility is usually equipped with obrok bags as the main facility in delivering packages to consumers. For data collection, this research uses qualitative research methods with the UCD design method. In this study, it can be concluded that the use of obrok and karung bags by couriers is considered uncomfortable and unsafe, so the designer created a 3-wheeled electric motorcycle that comes with storage space for packages, made with waterproof materials and a lock to make the package safer. Besides, its futuristic shape makes the cargo motorcycle look not boring.

Keywords: Electric Motorcycle, Cargo, Eco-friendly.