



Project brief: Internship with SKUTE

Subject discipline: Electrical Engineering, Manchester University, UK

Organization background: SKUTE is an electric scooter company. There are over 100 million scooters in Indonesia and they have traditionally outnumbered cars. SKUTE imports new electric scooters and converts old petrol gas scooters into electric ones,

Internship objectives:

To design a new battery to be used in repurposing old petrol and gas scooters as electric scooters. To research the benefits of repurposing old vehicles as electric vehicles.

Key internship activities:

- Research and write a comprehensive report on the VIAR/Bosch battery.
- Collate scientific perspectives that support the SKUTE mission, e.g. what is the positive impact on the environment of riding a SKUTE scooter instead of a traditional one?
- Research the optimally cost effective way of converting petrol scooters to electric scooters.
- Produce designs in AutoCAD of a new cost effective battery for repurposed vehicles.
- Support with expansion of the range of VIAR bikes over the next 9 months including the E-cub.
- Present new designs and report outlining proposal and justifications to the management team.