Abstract

Driving motorcycle is a general basic need for the common people, but there is a problem that need to be anticipated. Flat tire is one of the problem that many people concern on it, and that problem has no attention by the producer of the motor cycle until this day. This research purpose to create a product that can be anticipated the problem above. The product name is dynamic jack that is a jact that can move, so the motor cycle user doesn’t need to afraid from flat tire problem.

The steps of this research, first step questionnaire will be spread for identification the perception of the people about the problem of flat tire and the design of product that can be anticipated that problem will be offered for the consumen. After the questionnaire is spread, we can analyze about the design criterias from the consumen importance data. With QFD (Quality Function Deployment) it can be defined that priority for the technical respon based on the consumen importance. After the priority is made then the need of the design can be clearly to indentificate dan to be maked a realization for simple prototype. The result of this research is the design of the product that can be maked for basic reference of the real product for the consumen. The conclusion that can be taken is the we got the clear definition about the design of dynamic jack to anticipated the flat tire problem.

Keywords: Motor Cycle, Dynamic Jack, QFD, Prototype