ERGONOMIC ANALYSIS OF URBAN HYBRID STEERING SYSTEM KMHE 2018

ABSTRACT

The development of the automotive world is very rapid and affect the lives of almost all humans. In 2012 until now, many energy-saving car contests have been held. Therefore, every university is competing to participate in the energy-saving car contest. There are specific regulations set out in the contest. One of them is the regulation of the steering system. With the regulation, it is feared that there is an ergonomic in the steering system. By taking anthropometry data of Indonesian people and application of RULA method on CATIA software, it was found that the first condition of KMHE urban hybrid car has not been ergonomic because its injury coverage value is more than 2. After making a shift in urban hybrid car seat KMHE then got the position that is considered quite ergonomic because the range of injury value at that position is less or equal to 2.

Keywords: *Ergonomics, Steering System, Hybrid Car, KMHE, CATIA V5 Software*