ABSTRACT

Motorbike is one of transportation mode that usedmostly for this present time. Low costof price, easy to ride and low fuel consumption are some reasons why motorbike used by most people in Indonesia.

Expert system is the result of knowledge acquisition from the expert to the system. Knowledge transferring to the system is conducted to replace the expert at the moment not for long time. Expert system for motorbike damage analysis is developed to help motor rider to analyze damage in their motorbike and fix that damage by themselves while taking their motorbike to workshop is impossible at that time.

This system uses forward chaining method, where fact matching started form the left side . System will produce questions with option of answer. Each of answer has its own possibility that will bring to one decision. Final decision of this expert system taken from few symptoms that felt by the rider. Solutions that made by this system accorded with those symptoms.

This expert system expected to give an easy access for motor rider because it developed in mobile-based technology. Result of analysis and problem solving given by this expert system expected to help motor rider to analyze and fix the damage of their motorbike by themselves.

Keywords:
Expert System, forward chaining, web mobile