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Abstrak

this aim of this research is to develop an assessment method for hazardous substance value in automotive components for supporting green manufacturing. basically, the green manufacturing focuses on reducing environmental risks and impacts of industrial activities through elimination of resource waste, pollution and use of material containing hazardous substances. in this research, the method will be used to assess the hazardous substance contained automotive components quantitatively. based on the values, the hazard level of components could be compared relatively. this research has retrieved hazardous substances were assessed based on the hazardous materials identification system (HMIS). furthermore, the more information would be processed using a weighting method to obtain a single value. this research has assessed several automotive components by using the method as case studies. the result of assessments are brake pad 6.6, brake pad with asbestos 7.6, brake shoes with asbestos 13.2, clutch disc 9.2, and clutch disc with asbestos 8.6.