TITLE	THE DEVELOPMENT DECISION SUPPORT SYSTEM FOR LOGISTICES BUSINESS IN PROCESSED RUBBER INDUSTRY
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ABSTRACT

The objectives of this research paper are (1) to develop decision support systems in the form of web applications for logistics business in supporting rubber processing industry and (2) to provide guidance on the introduction of decision support systems innovation under the web application platform. There are 3 groups of sample used in this research development comprise 1) logistics business including transportation and warehouses data used for decision support systems development 2) production and manufacturing companies data used for collecting the logistics service needs 3) the data from logistics service users including 400 manufacturing operators in Phitsanulok and the Lower Northern Region of Thailand followed by 5 experts have been used for assessing the system application. This research model development consisted of structural interview by using hierarchical decision analysis methods and method of decision tree techniques that are suitable for decision support systems. Moreover, the tools used for research model testing are Weka 3.9.4 programs and performance evaluation forms

The results showed that (1) in the development of a decision support systems under web application platform, performance of the model was measured with the j48 decision tree technique

that yielded an accuracy of 50.5% and an incorrect forecast of 49.5%, with an error between the true and the predictive value of 0.2729. As a result, the system development can generate responsive outcome that is matching to the characteristics or appropriate information serving the needs of users of the system accurately, (2) the evaluation of system performance by experts is at a high level of average at 3.75 and (3) the evaluation of needs of the experts is at a high level of average at 3.76. Additionally, the evaluation of users of the logistics service users and the tendency to occur in the future are also at a high level of average at 4.11.