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As technology continues to develop, it encourages all aspects of life to make changes to the information system into a digital-based system. One of the industries that has begun to transform into the digital era is the health industry by developing a Hospital Management Information System, hereinafter referred to as SIMRS. In line with the Regulation of the Minister of Health No 82 article 3 which states that every hospital is required to hold SIMRS. Due to the change from a manual system to a digital one in RSUD I. A. Moeis, an application called SIMPONIS was created.

This study aims to evaluate the SIMPONIS application through user perceptions by knowing the effect of system quality, information quality, service quality, use, and user satisfaction on net benefits. net benefits) received by SIMPONIS Application users using the Information System Success Model Theory proposed by William H. Delone and Ephram R. McLean.

This study uses quantitative methods with SEM-PLS data analysis techniques. The method of data collection was done by using purposive sampling technique as many as 400 respondents who were SIMPONIS application users. The questionnaire used has 21 questions on a five-point Likert scale. The questionnaires were distributed offline to patients who came to RSUD I. A. Moeis Samarinda.

The results of this study indicate that all variabels are positively and significantly related. User satisfaction variabel has the greatest influence on net benefits variabel and vice versa because it has the highest T-value score.

Keywords: Hospital Information System, DeLone & McLean Model, pls (Partial Least Square), Information Systems, Applications.