IMPLEMENTATION OF WEBSITE-BASED THALASSEMIA DISEASE SCREENING SERVICE APPLICATION

(Case Study: Korpagama Clinic, Gadjah Mada University)

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ABSTRACT

Medical services in Indonesia in the last period have a very rapid development cycle. This is because the internet has unlimited space and time. Thalassemia disease is a genetic disorder that affects the production of hemoglobin in the blood which causes chronic anemia and other hereditary complications. Thalassemia disease screening services have become a solution in efforts to identify individuals at risk and increase access to health services, especially in Indonesia which has different geographical conditions and very low numbers in finding cases of thalassemia disease. At the Korpagama Clinic, Gadjah Mada University, Thalassemia disease screening has been implemented. However, the use of the screening system has not been integrated with the Korpagama Clinic, Gadjah Mada University. This study aims to evaluate and provide proposals for a website-based information system that can carry out the thalassemia disease screening process independently from different locations using an integrated system. The method used in this study is the Software Development Life Cycle (SDLC) system approach and the Unified Modeling Language (UML) Process Model. The results of this study are to produce an integrated website-based information system by the Universitas Gadjah Mada Korpagama Clinic that can minimize redundancy of screening data and can detect early indicated risks and can facilitate the detection of cases of thalassemia disease spread accurately.

Keywords: Services, Screening, Thalassemia Disease