

DESIGN AND IMPLEMENTATION OF A WEB BASED INFORMATION TECHNOLOGY DEVEICE MONITORING SYSTEM AT BENGKALIS REGIONAL HOSPITAL

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ABSTRACT

This research aims to design, implement and build a web-based application that functions as a system at Bengkalis Regional Hospital. The problem faced at Bengkalis Regional Hospital is that monitoring of devices is still done manually so errors always occur in recording. This research aims to design and implement a web-based IT device monitoring system to increase the efficiency of device monitoring and maintenance. The system development method used is the waterfall approach, starting from requirements analysis, system design, implementation, to testing. This system was built using the Laravel framework programming language, for easy data management and a responsive interface.

Keywords: *Information Technology Device Monitoring, Web, Application, Waterfall*