Building a system for collecting water environment parameters in aquaculture via the Internet

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Abstract: This topic aims to research and deploy a system for collecting water environment parameters in the field of aquaculture, based on the Internet platform. With the rapid development of IoT and wireless communication technology, collecting and analyzing water quality data is necessary to ensure human health safety and improve production efficiency. The objective of the topic is to build an automated system with the ability to connect via the Internet, in order to provide real-time information on water environment parameters such as pH, temperature, and dissolved oxygen. The research method is based on synthesizing knowledge from theory along with experimental deployment to verify the system's effectiveness. The expected result is a highly applicable technical solution that helps improve water quality management and control in aquaculture.

Keywords: Aquaculture, IoT, Data collection system, Water environment, Real-time