

## **ABSTRACT**

### ***Designing a Web-Based Learning Information System as Human Resource Development (HR) at PT. BANK XYZ***

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*In today's modern era, along with the development of technology and business is increasingly tightening global competition, one of the important factors in supporting companies to be able to compete is to improve the quality and quality of human resources. PT. BANK XYZ applies human resource development, one of which is through employee learning with digital materials and tests, but in the process of running there are still obstacles and problems that cause the process to be less effective and efficient. The application of Information Systems is needed as a solution to existing problems. The research method used is a qualitative descriptive method, qualitative data and information obtained through the process of interviews, literature studies, and observations. In the design and development of the system, the method used is the System Development Life Cycle (SDLC) method using the Prototyping approach. Using the Unified Modelling Language (UML) design model, supported by Hypertext Preprocessor (PHP) programming language technology and MySQL database produces a Web-based E-Learning application system that can be a solution to digital learning problems with integrated data processing and learning processes supporting an easy and fast process, providing digital learning materials and tests that can be accessed online to increase employee learning flexibility, with the aim of improving employee competence in a sustainable manner to support the progress of PT. BANK XYZ through competent human resources.*

**Keywords:** *E-learning, Web-Based, Human resource development, System Development Life Cycle (SDLC), Model Prototyping, Unified Modelling Language (UML).*

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