# ABSTRACT

PT Sumber Surya Raya in North Jakarta currently manages permanent employee payroll using Microsoft Excel, which is prone to human error and inefficient. To improve accuracy and efficiency, a web-based payroll application was designed using the waterfall and Model-View-Controller (MVC) methods. This system was built using MySQL as a database and XAMPP as a local server. The design involved creating activity diagrams, class diagrams, and use case diagrams to model system functionality. Key features include automatic calculation of BPJS, meal allowances, and PPh 21, in accordance with applicable regulations. Testing was carried out using the black box testing method to ensure that all functions run according to specifications. The implementation of this system is expected to reduce calculation errors, speed up the payroll process, and simplify report generation, thereby improving the company's operational performance and efficiency.

Keywords: Salary, Waterfall Model, Income Tax Article 21 (Pph 21), Web-Based Application