

## **ABSTRACT**

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### **DESIGNING A WEB-BASED REPORT ADMINISTRATION SYSTEM**

*This Practicum Report addresses the challenges faced by Jakarta Academics, an international micro-school operating with a hybrid classroom system, both online and offline, since 2017. One of the issues encountered is the manual process of student report assessment using separate files in Microsoft Excel or Google Sheets format. This process includes assessing various aspects such as assignments, exams, class activities, and student attendance. However, due to data input redundancy and repetitive checks, this process is prone to errors and time-consuming. To tackle this challenge, the practitioner proposes the development of an integrated web-based application. This solution will allow the utilization of the waterfall method and the implementation of the Laravel framework using the PHP programming language and MySQL database. It is hoped that with this new system, Jakarta Academics can reduce data input redundancy, enhance process efficiency, and generate student learning reports more quickly and accurately. The use of the waterfall method is expected to ensure structured development stages, while the use of the Laravel framework and MySQL will enable the creation of a reliable and dependable application. Overall, the implementation of this solution is expected to positively contribute to operational efficiency and the quality of education services provided by Jakarta Academics.*

**Keywords:** *Micro-international school, Laravel framework, MySQL database*