

ABSTRACT

Bina Essa Non-Formal Education Institute is currently still doing the registration process and managing participant data manually. This method is less efficient and often causes difficulties in data recording, course management, and access to information for admins. This limitation hinders the modernization of educational services that should be facilitated by technology. This research aims to develop a backend system with RESTful API technology to support the EduSkill web application. This system is built using the Laravel framework, MySQL database, and secured with JSON Web Token (JWT). The goal is to provide a digital solution that simplifies the registration process for participants, data management for admins, and reporting for institutional leaders. This backend system has been successfully built with 22 interconnected database tables. Tests conducted using the Postman application show that all designed functions, such as Create, Read, Update and Delete data (CRUD), can work well and as expected. In addition, the naming of API addresses has been made uniform to avoid future problems.

Keywords: information system, backend, RESTful API, laravel, non-formal education, bina essa