

ABSTRACT

SMA Negeri 1 Gunung Talang faces challenges in fulfilling its obligation to provide effective and efficient access to public information to the community, as mandated by Pasal 7 UU No.14 Tahun 2008, especially because there is no platform that optimally connects schools to public. The Web-Based Pejabat Pengelola Informasi dan Dokumentasi (PPID) of SMA Negeri 1 Gunung Talang is a solution that aims to provide a connecting forum for the community in obtaining information from school institutions. SMA Negeri 1 Gunung Talang as an educational institution committed to information transparency, designs and implements a web-based information system that allows the public to access information easily and efficiently. In a broader context, the creation of a PPID information system is also in line with the efforts of the Indonesian government in encouraging the application of information technology to improve public services. Therefore, the creation of a PPID information system is very important and needs to be considered seriously. This study uses the waterfall software development model because it has clear needs and specifications. The software developed is a website developed with the React framework for the client-side, Laravel for the server-side in the form of Restful API. The results of the software created have features for admins to manage pages, manage user request forms, and manage account authentication, while users can check page information, submit public information requests, and check request status. Software testing uses black-box testing based on use cases. Software test results with a total of 39 test items. All test items were accepted and no bugs or feature errors were found in the application.

Keywords: Black-Box testing, *Laravel*, Pejabat Pengelola Informasi dan Dokumentasi, *React*, Software development