

IMPLEMENTATION OF WEB SERVICE ON AN ANDROID-BASED STUDENT VIOLATION POINT RECORDING INFORMATION SYSTEM

(Case Study: Bani Usman Manunggal Foundation Vocational School Tangerang Banten)

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ABSTRACT

Violations of student discipline in school rules are needed to determine the level of student indiscipline in the school environment at Bani Usman Manunggal Vocational School which is located on Jl. Raya Kresek, Sukamulyo, Tangerang. This effort is needed to determine the level of student indiscipline and enable schools to provide coaching policies and actions or sanctions such as corporal punishment and suspension. The sanction system that is generally applied, such as push-ups and running around the field, is considered less effective in creating a deterrent effect. Therefore, to increase the effectiveness of violation management, this research developed a violation point system which provides a maximum limit of 100 points. Each offense is scored according to the degree of culpability, with score ranges designating light, moderate, and severe penalties. If the score reaches 30, the student will undergo punishment according to school rules, while a score of 50 triggers a summons from parents. The highest score, namely 100 points, results in the greatest errors with the consequence of returning the student to their parents. The online violation point system was built to make it easier for parents to monitor their children while they are in the school environment. This system was developed using the PHP programming language with the Codeigniter and Flutter frameworks for the Android system. This system will use the REST API web service, which is a type of web service architecture that uses the HTTP protocol to communicate between the client and server.

Keywords: Web Service, Implementation, Android, Student violation points, System.