

***ATTANDANCE APPLICATION BASED ON GLOBAL
POSITIONING SYSTEM (GPS) AND FACE PHOTO AT
BENGKALIS SUB DISTRICT OFFICE***

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ABSTRACT

The Bengkalis Sub-district Office has the main task of carrying out government authority delegated by the Regent to handle some regional autonomy affairs. In carrying out their duties, employees of the Bengkalis Sub-District Office with a total of 61 employees consisting of 26 ASN employees, namely the Head of Sub-District, Sub-District Secretary, Head of Social Welfare and Culture, Head of Finance and Equipment Subdivision, Head of Community and Village Empowerment, Head of Peace and Public Order, Head of Administration, Head of General Services, Head of Program Preparation, General and Personnel Subdivision and 35 non-ASN employees, namely Administrative Personnel, Public Service Administrators, Security, Office Concierge & Cleaning Service, Computer Operators, Public Service Operators, Chief Driver have an obligation to take attendance. The Bengkalis District Office still uses manual attendance by putting a signature in the attendance book, but this system has inaccuracy problems because there is no special time to sign attendance, so employees take attendance irregularly. The attendance method using the application needs to be done so that employees are absent on time and in accordance with the

office location. To overcome these problems, the design of a GPS-Based Attendance Application and Facial Photos at the Bengkalis District Office is Web-based to improve the accuracy of employee attendance at the Bengkalis District Office. This application is designed using the PHP programming language with the Laravel Framework and MySQL database. This application simplifies the employee attendance process with the feature of submitting leave or sick permits accompanied by evidence. Admins have the ability to input and monitor employee, position, and leave data, as well as set coordinate points, office radius, and working hours. In addition, this application allows admins to approve or reject permission applications and view attendance recaps automatically per month. This application can speed up the attendance process and it is hoped that the amount of data that can be managed and the accuracy in the employee attendance process can increase drastically.

Keywords: Application, Bengkalis Sub-district Office, Website, Attendance.