

ABSTRACT

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THE DESIGN OF STUDENT ATTENDANCE APPLICATIONS USING ANDROID-BASED QR CODE ON UNIVERSITAS NASIONAL

This report discusses the design of a student attendance application using Android-based QR Code technology at Universitas Nasional. The application includes a login page that requires Student ID (NIM) and Teacher ID, along with two dashboards: one for students and one for teachers. The student dashboard displays a list of courses taken in the current semester, with a QR Code icon next to each course for QR Code scanning to mark attendance. Clicking on a course name allows users to access the course's detailed page and also the attendance history. Meanwhile, the teacher dashboard lists the courses taught by the teacher, with a "View Students" button to check attendance and a QR Code icon for generating QR Codes. The application is connected to the backend using the CodeIgniter 4 (CI4) API, ensuring data security and efficient communication. Users can easily mark attendance, and teachers can view the attendance records of students.

Keywords: *Android Application, Attendance, QR Code.*