

**SYSTEM PRESENCE STUDENT DEVELOPMENT BASED ON ANDROID
USING QR CODE WITH ENCRYPTION VIGENERE CIPHER
INTEGRATION IN ACADEMIC INFORMATION SYSTEM AT
MUHAMMADIYAH UNIVERSITY OF JEMBER**

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ABSTRACT

Presence is one important factor in the world university. problem occur in a system that has been implemented is the collection of data present students do in the classroom, in which the Presence running system is still done manually, which collects all test cards and signed by the examiner and is still offline. Final Examination Semester (UAS) and the Middle Semester Exam (UTS) is a benchmark for the learning process of students at every level of education. Presence at the time the student attends UAS / UTS also play an important role in the learning process. A phone that has an operating system in it and can access the internet is one of the main characteristics of the Smartphone. The method used later is to utilize a barcode Qr Code with vigenere encryption cipher. Thus, the data in the form of nim will be encrypted automatically by the system and generate into Qr Code. Hasil of this research lecturer exam guards no longer sign the middle card End of Semester (UAS) and the Middle Semester Exam (UTS), due to absenteeism directly using android with scan card the student exams.

Keywords: Qr Code, vigenere cipher, cryptography, presence