

A. Cover page



**Web-based Graduation Event Attendance System using QR-Code**

**UNDERGRADUATE THESIS**

**Submitted as one of the requirements to obtain  
Sarjana Komputer (S.Kom.)**

**By:**

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**FACULTY OF COMPUTING**

**Informatics**

**CIKARANG**

**May 25<sup>th</sup>, 2023**

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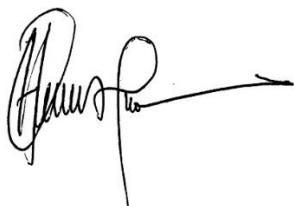
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## H. Abstract

### **ABSTRACT**

Graduation ceremonies are important turning points in students lives and are frequently attended by large crowds. Keeping track of attendance at these events can be difficult and time-consuming, especially when using conventional techniques like sign-in sheets or roll calls. The objective of this research is to develop a web-based graduation event attendance system using QR codes to improve the accuracy and efficiency of attendance tracking. A QR code is a kind of matrix code or two-dimensional barcode created by Denso Wave, claims Soon (2018). Since they can be quickly scanned with a smartphone or other device, QR codes offer a distinctive and practical way to keep track of attendance. Each attendee's attendance will be tracked by scanning a special QR code created by the proposed system, which will produce one for each participant. Information about the number of attendees will be updated in real-time. The system's usability, effectiveness, and compatibility with various hardware and operating systems will all be evaluated in the study. The results of this research will contribute to the development of improved attendance tracking systems and provide insights into the use of QR codes for this purpose.

**Keywords :** Attendance, Graduation, QR-Code

I. Acknowledgement page

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