

# Review of: "A Security Framework for the Mobile Application Using Color Barcode"

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**Potential competing interests:** No potential competing interests to declare.

1. The introduction lacks a clear delineation of the novelty or significance of the proposed authentication mechanism, relying heavily on well-known concepts like RSA encryption and QR codes without introducing any innovative elements.
2. The necessity of installing QR code software for authentication could be seen as a barrier to user adoption, especially if users are accustomed to simpler login processes without additional software requirements.
3. While the introduction claims that the login process is quicker and less error-prone compared to other frameworks, there is no empirical evidence or comparative analysis provided to support this assertion, undermining its credibility.
4. The discussion on the widespread use of QR codes in various industries feels tangential to the main focus of the research and does not directly contribute to the understanding of the proposed authentication mechanism.
5. Describing the potential uses of 2D barcodes in newspapers, product marketing, and personal branding offers insights into real-world implementations.
6. The explanation of how QR codes can store large amounts of data and execute specific tasks enriches the understanding of their capabilities.
7. The research paper overall lacks empirical evidence, experimental validation, or real-world case studies to support its claims and conclusions, resulting in a lack of credibility and applicability to practical scenarios.
8. The writing style and organization of the paper are disjointed and lack coherence, making it challenging for readers to follow the logical progression of ideas and arguments.