## Review of: "Design of a Smart Motorcycle Parking System based on Wireless Sensor Network (WSN) in a Multilevel Building at Universitas Pendidikan Indonesia"

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Potential competing interests: No potential competing interests to declare.

The article "Design of a Smart Motorcycle Parking System based on Wireless Sensor Network (WSN) in a Multilevel Building at Universitas Pendidikan Indonesia" thoroughly explores the challenges encountered in motorcycle parking management and proposes a solution utilizing RFID-based Wireless Sensor Network (WSN) technology.

**1. Clarity and Structure**: The article is well-organized, with clearly delineated sections that lead the reader through the problem statement, methodology, implementation, and results. The language used is concise and comprehensible, facilitating understanding.

2. Relevance and Significance: The article addresses a pertinent issue of motorcycle parking management, particularly in densely populated areas such as university campuses. The importance of the research is evident, given the increasing prevalence of motorcycles and the demand for efficient parking solutions.

**3. Methodology and Implementation:** The methodology section offers a detailed explanation of the research approach, including the utilization of experimentation and the deployment of RFID readers and ultrasonic sensors. Schematic diagrams and algorithms aid in comprehending the system design and operation.

**4. Experimental Results**: The experimental findings showcase the effectiveness of the proposed parking system across various scenarios, such as detecting unauthorized parking and identifying obstacles. Visual representations of testing outcomes bolster the credibility of the results.

**5. Technical Details**: The article adeptly discusses the hardware and software aspects of the system, providing insights into the utilized components and their functionalities. This technical depth enriches the research for readers interested in the implementation specifics.

**6. Conclusion and Implications**: The conclusion succinctly summarizes the key findings and underscores the system's capability in addressing parking management challenges. The implications of the research, such as real-time monitoring and penalty enforcement, underscore its potential impact.

**7. Recommendations for Improvement** While comprehensive, the article could benefit from providing additional context on the scalability and generalizability of the proposed system beyond the university setting. Moreover, discussing potential

limitations and outlining future research directions would enhance the conclusion's depth.

In essence, the article presents a meticulously executed study on smart motorcycle parking systems, offering valuable insights for both researchers and practitioners in the realms of transportation management and IoT-based solutions.