

**[JUITA] Editor Decision** Eksternal Kotak Masuk x

**Hindayati Mustafidah** <jurnal.umpurwokerto@gmail.com>  
kepada Sandhy, saya, Yetman, Faisal ▾

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The following message is being delivered on behalf of **JUITA**.

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Sandhy Fernandez:

We have reached a decision regarding your submission to **JUITA**: Jurnal Informatika, "Smart Parking System Model Analysis with NodeMCU and IoT-Based RFID".

Our decision is: Revisions Required.

Please write a revision note by filling in the matrix containing the corrections given by the reviewer and the part of the manuscript you have corrected (an attached file), as we informed before. Give a different color to the revised part of the manuscript. After the matrix is filled in, please concatenate at the last part of the revised manuscript.

Dimara Kusuma Hakim  
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## #16908 REVIEW

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## SUBMISSION

<b>Authors</b>	Sandhy Fernandez, Yetman Erwadi, Faisal Erlangga
<b>Title</b>	Smart Parking System Model Analysis with NodeMCU and IoT-Based RFID
<b>Section</b>	Articles
<b>Editor</b>	Dimara Hakim

## PEER REVIEW

Round 1

<b>Review Version Initiated</b>	<a href="#">16908-46455-1-RV.docx</a> 2023-02-13
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## EDITOR DECISION



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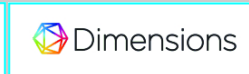
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## Keywords

**Android** Aplikasi Augmented Reality  
Bi-clustering Expert System Forward  
Chaining Fuzzy Quantification Theory I  
Mamdani MySQL Rekayasa Perangkat Lunak  
SMS Gateway Web Service backpropagation  
backward chaining decision support  
system **expert system** learning  
achievement learning motivation  
motivasi belajar simple additive weighting  
support vector machine



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## MATRIX OF REVISION NOTE

Paper ID () : 16908  
 Title : Smart Parking System Model Analysis with NodeMCU and IoT-Based RFID  
 Authors : Sandhy Fernandez, Yetman Erwadi, Faisal Erlangga.




No.	Reviewer's & Editor's Comments	Revision*
1.	RFID (Radio .....) (page 1)	Radio Frequency Identification (Page 1)
2.	<del>Radio Frequency Identification or RFID (Page 2)</del>	RFID (Page 2)
3.	Reference 22 not displayed in References list (Page 2)	Reference 22 has been deleted (Page 2)
4.	The figure use a Indonesia word (Perancangan) (Page 3) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">Perancangan Hardware dan Software</p> <ul style="list-style-type: none"> <li>• Describes the assembly of system components.</li> <li>• Describes the results of hardware</li> <li>• Explain the results of software</li> </ul> </div>	(Page 3) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">Hardware And Software Design</p> <ul style="list-style-type: none"> <li>• Describes the assembly of system components.</li> <li>• Describes the results of hardware</li> <li>• Explain the results of software</li> </ul> </div>
5.	The figure 4 is not clear / hazy (Page 6) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> </div>	(Page 6) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> </div>
6.	Add the table of testing for some samples (min 10), and accompanied the percentage of success. Add the analysis of the testing. (Page 7)	The test table tested in this study only contained 5 devices, namely RFID, E-KTP, Servo, LCD and Infrared. (Page 7)

1. Testing the Read Distance of the RFID Sensor. (Page 7)

Data	Read Distance	Results	Percentage
1	1 Cm	v	100%
2	2 Cm	v	100%
3	3 Cm	x	0%
4	4 Cm	x	0%
5	5 Cm	x	0%
6	6 Cm	x	0%
7	7 Cm	x	0%
8	8 Cm	x	0%
9	9 Cm	x	0%
10	10 Cm	x	0%

The authors have tested the reading distance of the RFID sensor from a distance of 1 cm to a distance of 10 cm. The RFID sensor can only read the E-KTP from a distance of 1 cm to a distance of 2 cm, while from a distance of 3 cm to a distance of 10 cm it turns out that the RFID sensor cannot read the E-KTP because RFID has a limited range in reading E-KTP or other cards.

2. Testing the Position of the E-KTP on the RFID Sensor (Page 8)

Data	ID card position	Explanation	Results	Percentage
1		Front left	V	100%
2		Front Right	V	100%
3		Rear Left	V	100%

4      Rear      V      100%  
 Right



In this table, tests are carried out in reading the position on the E-KTP, where from the various stages of the E-KTP positions it can be seen that there are 4 positions that can be read on the RFID device, namely, front left, front right, rear left and rear right with the results 100% test.

### 3. Servo Motor Testing (Page 9)

Data	Servo	Results	Explanation
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1



V

Initially the servo is at 0 degrees.

2





V

When connected the servo moves to 90 degrees and after a few seconds it returns to its original state which is 0 degrees.

At the servo testing stage, testing is carried out when an order is given to open, the servo will open 90 degrees and close again.

4. LCD testing (Page 9)

Data	LCD	Results	Explanation
1		V	After current flows, the LCD will display the words "Please Paste E-KTP"
2		V	After the client attaches the E-KTP to the RFID, the LCD will change to "Welcome to UM Bengkulu"

For LCD testing, where when the application is used the LCD will display information that will be carried out by users who will enter the parking area.

5. Infrared Sensor Reading Range Test (Page 10)

Data	Read Distance	Results	Percentage
1	1 Cm	v	100%
2	2 Cm	v	100%
3	3 Cm	v	100%
4	4 Cm	x	0%
5	5 Cm	x	0%
6	6 Cm	x	0%
7	7 Cm	x	0%
8	8 Cm	x	0%



		<table border="1"> <tr> <td>9</td> <td>9 Cm</td> <td>x</td> <td>0%</td> </tr> <tr> <td>10</td> <td>10 Cm</td> <td>x</td> <td>0%</td> </tr> </table> <hr/> <p>In the sensor test there are various distances measured in this test using a distance of up to 10 cm. in the test application, the results of the sensor reading distance only ranged from 1 cm to 3 cm.</p>	9	9 Cm	x	0%	10	10 Cm	x	0%
9	9 Cm	x	0%							
10	10 Cm	x	0%							
7.	References information not complet (name of authors, title, name of journal / publisher). (Page 9) Ref 2, 3, 4, 6, 7, 9, 11, 14, 15,19, 20.	<p>(Page 9)</p> <p>[2] S. Fernandez and Y. W. Mandala, “Implementasi Teknologi RFID Pada Aplikasi Buku Tamu Undangan,” <i>Jurnal Komputer Terapan</i>, vol. 8, no. 1, 2022, [Online]. Available: <a href="https://jurnal.pcr.ac.id/index.php/jkt/">https://jurnal.pcr.ac.id/index.php/jkt/</a></p> <p>[3] B. Kizilkaya, M. Caglar, F. Al-Turjman, and E. Ever, “Binary search tree based hierarchical placement algorithm for IoT based smart parking applications,” <i>Internet of Things (Netherlands)</i>, vol. 5, pp. 71–83, Mar. 2019, doi: 10.1016/j.iot.2018.12.001.</p> <p>[4] S. N. Ghorpade, M. Zennaro, and B. S. Chaudhari, “GWO Model for Optimal Localization of IoT-Enabled Sensor Nodes in Smart Parking Systems,” <i>IEEE Transactions on Intelligent Transportation Systems</i>, vol. 22, no. 2, pp. 1217–1224, Feb. 2021, doi: 10.1109/TITS.2020.2964604.</p> <p>[6] J. J. Barriga <i>et al.</i>, “Smart parking: A literature review from the technological perspective,” <i>Applied Sciences (Switzerland)</i>, vol. 9, no. 21. MDPI AG, Nov. 01, 2019. doi: 10.3390/app9214569.</p>								

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		<i>Conference Proceedings</i> , Dec. 2019, vol. 2199. doi: 10.1063/1.5141286
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\*Write down the revised section and the correction results, including page numbers.

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## ACCEPTANCE LETTER

Dear Mr./Mrs./Ms. Sandhy Fernandez

It is my great pleasure to inform you that your contribution to JUITA: Jurnal Informatika,

Reference No. : 16908

Title : Smart Parking System Model Analysis with NodeMCU and IoT-Based RFID

Author(s) : Sandhy Fernandez, Yetman Erwadi, Faisal Erlangga

has been accepted for the publication on Vol. 11 No. 1, Mei 2023.

We would like you to refer to JUITA publications especially your own works in your future research. We believe it will help you promote your article and enhance its visibility.

Best Regards,

Assoc. Prof. Hindayati Mustafidah

Editor-in-Chief, JUITA

Universitas Muhammadiyah Purwokerto

E-mail: [jurnal.juita@ump.ac.id](mailto:jurnal.juita@ump.ac.id)

Purwokerto, April 6, 2023



(Assoc. Prof. Hindayati Mustafidah)