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Author Name^{1*}, *Author Name*²

¹ Author Affiliation, Country

² Author Affiliation, Country

Correspondence: Email: email@xx.yy

ABSTRACT

The abstract should stand alone, meaning there should be no citations within the abstract. It should concisely inform the reader of the manuscript's purpose, methods, findings, and value. The abstract should be relatively non-technical, but clear enough for an informed reader to understand the manuscript's contribution. The title of the manuscript, but not the author's names or other identifying designations, should appear on the abstract page. The abstract should be between 150 and 250 words, Times New Roman 12 pt font, Space 1, Written in English.

Keywords:

We encourage you to include your keywords in this section, separated by semicolons (3-5 words).

I. INTRODUCTION

The introduction mainly contains: (1) research problems; (2) insights and problem-solving plans; (3) formulation of research objectives; (4) summary of theoretical studies related to the problem being researched. This section sometimes also includes hopes for the results and benefits of the research. The length of the introduction is approximately 1-2 pages, Times New Roman font 12 pt , spacing 1. Written in English. For articles to be published in the Nusantara Journal of Informatics (NIJ) e-journal, the detailed formatting rules for articles follow the formatting provisions of that e - journal. The article format in this Guidelines is the general format agreed upon for the Nusantara Journal of Informatics (NIJ) e-journal , which is the style of the Nusantara Journal of Informatics (NIJ) e-journal .

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II. LITERATURE REVIEW

Review library is runway theoretical basis used For support study in something article scientific . In the section This writer discuss various concepts , theories , methods , and results study relevant previous with topic research in the field informatics . Review library aim For give understanding about development research that has been done previously as well as identify gap research (research gap) that can made into base in development study new .

Through review library , author can know approaches , methods , and technology that has been used in study previously , such as algorithm computing , methods data processing , architecture systems , and development models device software . Information the Then analyzed in a way critical For determine contribution research that will be done .

main purpose review library is For review return various research that has been conducted by other related researchers current

topics researched (Leedy & Ormrod, 2005). With do study to study previously , researchers can understand development technology or method certain as well as find unresolved issues completed optimally .

Review good library No only containing summary study previously , but also involves the process of analysis , evaluation , and synthesis to various source literature . Author need study advantages , disadvantages , as well as difference the approach used in study previously . With Thus , the review library can give clear picture about position research conducted compared to with study previously . In the field informatics , researchers also need evaluate in a way critical various method or technology used in study previous . For example , compare performance algorithm certain , evaluate accuracy of machine learning models, or analyze efficiency something method in data processing . Evaluation the important For determine the most appropriate method used in research that will be done .

Researchers also need to identify various existing limitations in study previously , such as limitations of data, methods , and environment implementation system . With understand limitations said , researchers can develop approach new expected capable give more solutions effective to the problem being researched .

For compile review good library , author need through a number of stages , namely look for relevant literature , managing information from various sources , and serve systematic and easy study understood by the reader . Source literature used should originate from journal scientific , proceedings conference , book academic , as well as publication scientific other reliable and relevant with field informatics .

Some common scientific databases used For look for literature in the field informatics including IEEE Xplore, ACM Digital Library, ScienceDirect, SpringerLink, Wiley Online Library, Scopus, and Google Scholar.

Amount References : Minimum 5 sources . Writing format: Times New Roman 12 pt font , double spacing. 1 , Written in English.

III. RESEARCH METHODS

The methods section describes the steps followed in conducting the research and provides a brief justification for the research methods used (Perry et al., 2003:661). This section should contain enough detail to allow readers to evaluate the appropriateness of your methods and the reliability and validity of your findings. Furthermore, the information should allow experienced researchers to replicate your research (American Psychological Association, 2001:17).

The methodology section usually has the following subsections:

- Types of research
- Method or the algorithm used
- Data collection technique
- Data analysis techniques
- Research stages

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IV. RESULTS AND DISCUSSION

Results and Discussion Section containing presentation results study or implementation the system that has been done as well as analysis to results In the section This writer must explain in a way systematic results research and discuss its relevance with theory and study previously .

4.1 Implementation Results System

Subsection This explain results implementation from method , algorithm , or developed system in research . Author need explain How system built and how methods used implemented in system the .

Things that can explained among others:

- Architecture developed system
- Stages implementation method or algorithm
- Description module or feature main system
- Technology or device software used

If research in the form of development application or system information , author can display appearance system interface .

Example presentation :

- Architectural diagram system
- System process flowchart
- Screenshot of the page application

- Description function every module system

4.2 Testing System

Subsection This explain the testing process carried out to system or methods used in research . Testing done For know performance , accuracy , or effectiveness developed system .

Testing can done with a number of methods , such as :

- Black Box Testing
- White Box Testing
- User Acceptance Test (UAT)
- Testing accuracy algorithm
- Testing performance system

Test results should served in form table or graphs to make it more easy understood .

Example table testing system :

Table 1. Testing

No	Scenario Testing	Expected results	Test Results	Status
1	User login	System display dashboard	Succeed	Valid
2	Data input	Data stored in the database	Succeed	Valid

4.3 Analysis of Results

In the section This writer do analysis to results testing that has been obtained . Analysis done For explain meaning from results study as well as show advantages and disadvantages the method used .

Things that can analyzed among others:

- Accuracy level method or algorithm
- System processing speed
- Effectiveness system in finish problem
- Factor affecting results study

Analysis results can strengthened with presentation chart or diagram.

Example graphs that can used :

- Chart accuracy algorithm
- Chart comparison performance method
- Chart system processing time

Writing Format : Times New Roman, Content font size : 12 pt, Spacing : 1, Alignment Text : Justify, Images and Tables must given number and title .

V. CONCLUSION

The conclusion presents a summary of the results and discussion, referring to the research objectives. It can provide recommendations. These recommendations are based on the research findings discussed. These recommendations can refer to practical actions, the development of new theories, and/or further research.

Writing Format : Times New Roman, Content font size : 12 pt, Spacing : 1, Alignment text : Justify.

VI. BIBLIOGRAPHY

● **Books** with order writing : Author , year , *title book* (must written in italics) volume (if there is), edition (if there is), publisher name and city publisher .

[1] Castleman, Kenneth R., 2004, *Digital Image Processing* , Vol. 1, 2nd Ed., Prentice Hall, New Jersey.

● **Books Translation** with order writing : Author original (first name , middle name (abbreviated), last name (abbreviated)), year book translation , *title translation book* (must written in italics), volume (if there is), edition (if there is), (translated by : translator name), publisher name translation and city publisher translation .

[2] Gonzales, R., P. 2004, *Digital Image Processing* , Vol. 1, Ed. 2, *translated* by Handayani , S., Andi Offset, Yogyakarta.

● **Articles in Book** with order writing : Author article , year , *title article* (must in italics) , editor's name, *title book* (must written in italics) , volume (if there is), edition (if there is), publisher name and city publisher .

[3] Wyatt, J. C, and Spiegelhalter, D., 1991, *Field Trials of Medical Decision -Aids: Potential Problems and Solutions* , Clayton, P. (ed.): *Proc. 15th Symposium on Computer Applications in Medical Care* , Vol 1, Ed. 2, McGraw Hill Inc., New York.

● **Internal library form article in magazine scientific :**

Order writing : Author , year , title article , *magazine name* (must written in italics as an abbreviation officially), number , volume and page .

[4] Yusoff, M, Rahman, S., A., Mutalib, S., and Mohammed, A., 2006, *Diagnosing Application Development for Skin Disease Using Backpropagation Neural Network Technique*, *Journal of Information Technology* , vol 18, pp. 152-159.

● **Internal library form article in scientific seminars :**

Articles in seminar proceedings with order writing : Author , year , title article, *Title Seminar proceedings* (must be (in italics), seminar city , seminar date .

[5] Wyatt, J. C, Spiegelhalter, D, 2008, *Field Trials of Medical Decision-Aids: Potential Problems and Solutions*, *Proceedings of the 15th Symposium on Computer Applications in Medical Care* , Washington, May 3.

● **Internal library form Thesis / Dissertation** with order writing : Author , year , title thesis , *thesis / dissertation* (must written in italics), name of faculty / postgraduate program undergraduate , university, and city .

[6] Prasetya , E., 2006, *Case Based Reasoning for identify damage building* , *Thesis*, Postgraduate Program in Computer Science , Gadjah Mada University, Yogyakarta .

● **Internal library form Research Report :**

Order writing : Researcher , year , title report research , *report name study* (must be written in italics), project name research , name of institution , and city .

[7] Ivan, AH, 2005, *Optimal target design, Report Competitive Grant Research* , *Multi-Year Project* , Dikti , Jakarta.

● **Internal library form article on the internet** (*no permitted do citation article from the internet that is not there is the author's name*).

● **Magazine articles scientific version mold** with order writing : Author , year , title article , *magazine name* (must written in italics as abbreviation officially), number , volume and page .

[8] Wallace, VP, Bamber, J . C. and Crawford, DC 2000. *Classification of reflectance spectra from pigmented skin lesions, a comparison of multivariate discriminate analysis and artificial*

neural networks. *Journal of Physical Medical Biology* , No. 45, Vol. 3, 2859-2871.

● **Magazine articles scientific version online** with order writing: Author , year , title article , *magazine name* ((must written in italics as abbreviation officially), number , volume, page and website address .

[9] Xavier Pi- Sunyer , F., Becker, C., Bouchard, R.A., Carleton, G.A., Colditz, W., Dietz, J., Foreyt , R. Garrison, S., Grundy, B.C., 1998, Clinical Guidelines on the identification, evaluation, and treatment of overweight and obesity in adults, *Journal of the National Institutes of Health* , No.3, Vol.4, 123-130,
:http://journals.lww.com/acsm-msse/Abstract/1998/11001/paper_treatment_of_obesity.pdf.

● **General articles** with order writing : Author , year , title article , *website address* (must be written in italics), accessed date ...

[10] Borglet , C, 2003, Finding Association Rules with Apriori Algorithm, <http://www.fuzzy.cs.uniagdeburg.de/~borglet/apriori.pdf> , accessed February 23 , 2007.

ADDITIONAL INFORMATION:

- Total Pages 10 Sheets
- Paragraph Using Line 1 Spacing With After 0 And Before 0
- Journal Contents / Paragraphs in Column Form 2,
- 1 Column Allowed , If Loading Images / Tables Is Not Enough Arenya So It's Not Visible
- Times New Roman font
- Font Size Contents 12 Pt
- Space 1
- Margin 2 cm on all sides
- Written in English