

A Title should be the Fewest Possible Words that Accurately Describe the Content of the Paper (Cambria, Left, Bold, 18pt)

First Author ^{1,*}, Second Author ², Third Author ³ (12 pt)

¹ Write your affiliation refer to the author numbering. (Faculty/Department, University, City, Country) (11 pt)

² Example: Industrial Engineering Department, Universitas Ahmad Dahlan, Yogyakarta, Indonesia

³ Example: Manufacturing Engineering Department, Universitas Teknikal Malaysia Melaka, Melaka, Malaysia

*Corresponding Author: adiyanto@ie.uad.ac.id (10 pt)

ARTICLE INFO

ABSTRACT (10PT)

Article history
Received
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Keywords

Background: Write abstract, which is a summary of the article. In background contained the research objectives. Insert your abstract text, a maximum of 250 words.

Contribution: write the contribution for community

Method: Overview of the method used.

Results: Write your main result.

Conclusion: Relate to your objectives.

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INTRODUCTION

[11 pt Arial, Regular] papers should original research contributions. Papers must be submitted electronically via open journal systems and Register In website journal.uad.ac.id/index.php/spekta. The manuscript is written in English or Bahasa with Arial (11pt), 1 (one) column, 1.15 spacing, on A4 paper. Authors are asked to send in the form of files typed with MS-Word program.

Introduction Section contains an explanation of why the issues need to be researched (research significance) and all supporting data or scientific evidence based on personal

observations or the results of other researcher studies. The formulation of this research problem is always based on real conditions and objectively scientifically. Community engagement covers the services to society, applying science and technology based on their field, increasing the capacity of society, and community empowerment.

There is no theoretical background section in this manuscript. But you must input your theoretical background in the Introduction section. The theoretical background contains previous theories as the basis of research and the temporary hypothesis. The theory can be in the form of scientific articles, articles in journals, textbooks, or other sources of scientific writing. This theory will be used to provide state of the art of your manuscript from research problems that have been proposed. In the context of community engagement, the theory that should be used primarily is the theory related to community engagement, community development, or community services. Other theories that are still needed to solve the problem of research to support theories that are delivered after the theory of community engagement are discussed.

After the theories are mentioned and discussed, you need to form a problem that shows why this manuscript is important, state of the Art (SOTA) or gap analysis, previous research, and you must write the purpose of the manuscript. Example of the gaps Analysis and previous research statement is at the end of the Introduction section (after theories are mentioned and discussed): “..... (summary of background)..... A previous research explained on This research is limited on Indeed, this research intends to The purpose of this research that related to community engagement are”.

METHOD

The method section structure should: describe the materials used in the study, explain how the materials were prepared for the study, describe the research protocol, explain how measurements were made and what calculations were performed, and state which statistical tests were done to analyze the data. The method must clear with the location and time of the research, the population, and sample of the study, the research variables, and the research data. The method of your manuscript also mentions the detail of your community engagement program

RESULTS AND DISCUSSION

1. [11 pt. Arial, Bold] Chapter of Discussion in Paper

[11 pt Arial, Regular, with spacing 1,15] Paper length is limited to 20 pages (including all figures, tables, bibliography and appendices). Authors should follow the format found in the *SPEKTA Template*. Papers should be in pages with a font size of 11 points using arial type for text, title, author information, and main section headings. Papers should be formatted for A4 paper. Top, bottom, and side left and Right margins should be 3 cm. followed by details of the methods, materials, procedures, and equipment used. Findings, discussion and conclusions should follow in that order. Appendices may be employed where appropriate. The IEEE Publication Manual should be consulted for details as needed.

2. [11 pt. Arial Bold] Chapter of Discussion in Paper

[11 pt Arial, Regular, with spacing 1,5] Result and discussion contain results obtained by the author during the research. The results of the study submitted in advance, which continues by doing the process of discussion. The discussion is presented systematically from general, then leads to the specific. The presentation of the research can be done with the help of tables, drawings/graphs, maps/plans, and schemes.

The result and discussion of your manuscript also interconnected with the theory as well as the novelty of your manuscript about community engagement. The results and discussion part should also describe the implication of this community engagement program to the community. The minimum of your explanation in this chapter ranges from 40% to 50% of your manuscript.

Example of citation, Multiculturalism is an ideology that confessed and glorified the difference in equality both individually as well as in culture [1]. The culture that should be understood is not the culture in the narrow sense, but rather a culture is understood as all the dialectics of man against his life [2], [3].

3. [11 pt. Arial Bold] Tables

The result should be contained the result of your research. Cite Table and Figure on your result texts. All tables should be numbered with Arabic numerals, and these tables can be edit and not as images. Every table should have a caption. Headings should be placed above tables, centered. Only horizontal lines should be used within a table, to distinguish the column headings from the body of the table, and immediately above and below the Table. Tables must be embedded into the text and not supplied separately. If the Table gets on other sources, write the name of the source below the Table, left-justified. Below is an example which the authors may find useful.

Your Table on the manuscript as much as possible on one page did not continue the next page. It is for the sake of ease for Reader that read your manuscript. Also, for mentioning your Table, please indicate your Table with the number of your Table. For example, "... the result of our research is mention on Table 4 ...". And please not mention your Table with this example, "... the result of our research is mention in Table below ...".

Table 1. The title of the table should be placed on the top-centre of the table. The title should be clear and reflect the result

Variable	Number of Cases (Person)				Population Density (people / km ²)				Housing Density (units / km ²)			
	2017		2018		2017		2018		2017		2018	
	n	%	n	%	n	%	n	%	n	%	n	%
Xxxxxx	11	11	11	11	11	11	11	11	11	11	11	11
Xxxxxx	55	55	55	55	55	55	55	55	55	55	55	55
Xxxxxx	22	22	22	22	22	22	22	22	22	22	22	22
Xxxxxx	32	32	32	32	32	32	32	32	32	32	32	32
Xxxxxx	47	47	47	47	47	47	47	47	47	47	47	47

Table 2. The title of the table should be placed on the top-centre of the table. The title should be clear and reflect the result

Variable	R	p-value
Population density	- 0.568	0.034
Housing density	- 0.652	0.012

4. [11 pt. Arial Bold] Figures

All figures are captioned at the bottom of the figures with bold text. Scanned or digital photographs should be in high resolution, a minimum of 300 dpi in the PC format. A maximum of 5 Figures and Tables is only allowed. All of the table and figure must be cited in the body text. All figures should be numbered with Arabic numerals (1, 2, 3,...). Every figure should have a caption. All photographs, schemas, graphs, and diagrams are to be referred to as figures. Line drawings should be good quality scans or correct electronic output. Low-quality scans are not acceptable. Figures must be embedded in the text and not supplied separately. In MS word input, the figures must be properly coded. Lettering and symbols should be clearly defined either in the caption or in a legend provided as part of the figure. Figures should be placed at the top or bottom of a page wherever possible, as close as possible to the first reference to them in the paper.



Figure 1. Abcd

Tables and figures should be incorporated in the text as close to the reference as possible and should be in a form suitable for publication when printed with a good quality laser printer. Figures will be printed in black and white and should be readily interpreted without the use of color. Tables and figures may extend across both columns [4].

Captions should be Arial 11-point, centered. Tables and pictures should be sequentially numbered in separate series. Captions for tables should be above the table. Captions for figures should be below the figure [5].

CONCLUSION [11 pt. Arial Bold]

[11 pt Arial, Regular, with spacing 1, 15 in 1-2 paragraph]. The conclusion of your manuscript defines the novelty of your study and the fruitfulness of your community engagement program, the benefit for society or community, theoretical contribution from your manuscript, and implication for community.

Example Social welfare, especially in Indonesia always becomes an interesting topic to be discussed. It can be separated with the education. One of subject that has been taught in

every level of education in Indonesia is English. It has an important role in increasing the social welfare in Indonesia. By having a good mastery in English, people will have more opportunity to get a better job than others. In consequence, it will improve their income and get an improvement in their social welfare.

Acknowledgement [11 pt. Arial Bold]

Acknowledgements should be collected in this section before your article is published. State the research funding (if any) or state, "This research has not received external funding" for research without a donor.

References [11 pt Arial, All CAPS, CENTRE]

[11 pt. Arial, 1 spacing] The main references are international journals, proceedings, and books **minimal 20 references**. All references should be to the most pertinent and up-to-date sources. References are written in **IEEE style**. References must be listed at the end of the paper. Do not begin them on a new page unless this is necessary. Authors should ensure that every reference in the text appears in the list of references and vice versa. Use **Mendeley** as your reference manager – **IEEE style**

Example

- [1] R. Arfan, H. Hamdani, D. Puspita, I. Akbar, G. Ambartisari, and M. Mirnawati, "Peran ukm dalam menstabilkan harga masker sebagai bentuk pencegahan penyebaran covid-19 di banda aceh," *SPEKTA (jurnal Pengabd. Kpd. Masy. Teknol. dan Apl.*, vol. 1, no. 1, pp. 31–34, 2020.
- [2] H. Hidayat, G. Gunadi, L. Arlangga, and F. Yulianti, "Pengelolaan Kain Tenun Songket Khas Palembang Di Desa Pedu Kabupaten Jejawi Kecamatan Ogan Komering Ilir (Oki)," *SPEKTA (Jurnal Pengabd. Kpd. Masy. Teknol. dan Apl.*, vol. 1, no. 1, pp. 21, 2020.
- [3] F. Faridawati, E. Minarto, I. I. Wati, Sutrisno, and L. Hakim, "Pembelajaran robotik untuk mempersiapkan generasi muda menghadapi revolusi industri 4.0 dan society 5.0," *SPEKTA (Jurnal Pengabd. Kpd. Masy. Teknol. dan Apl.*, vol. 1, no. 2, pp. 85–92, 2020.
- [4] A. Rahman, "Reformasi dan Arah Pembaharuan Pendidikan Islam Arif Rahman," *Literasi*, vol. VII, no. 2, pp. 75–88, 2016.
- [5] N. A. F. Fauzi, "Fatwa Di Indonesia : Perubahan Sosial, Perkembangan, dan Keberagaman," vol. 8, no. 1, pp. 108–121, 2017.