

# It's all about academic writing



By:

Cep Ubad Abdullah

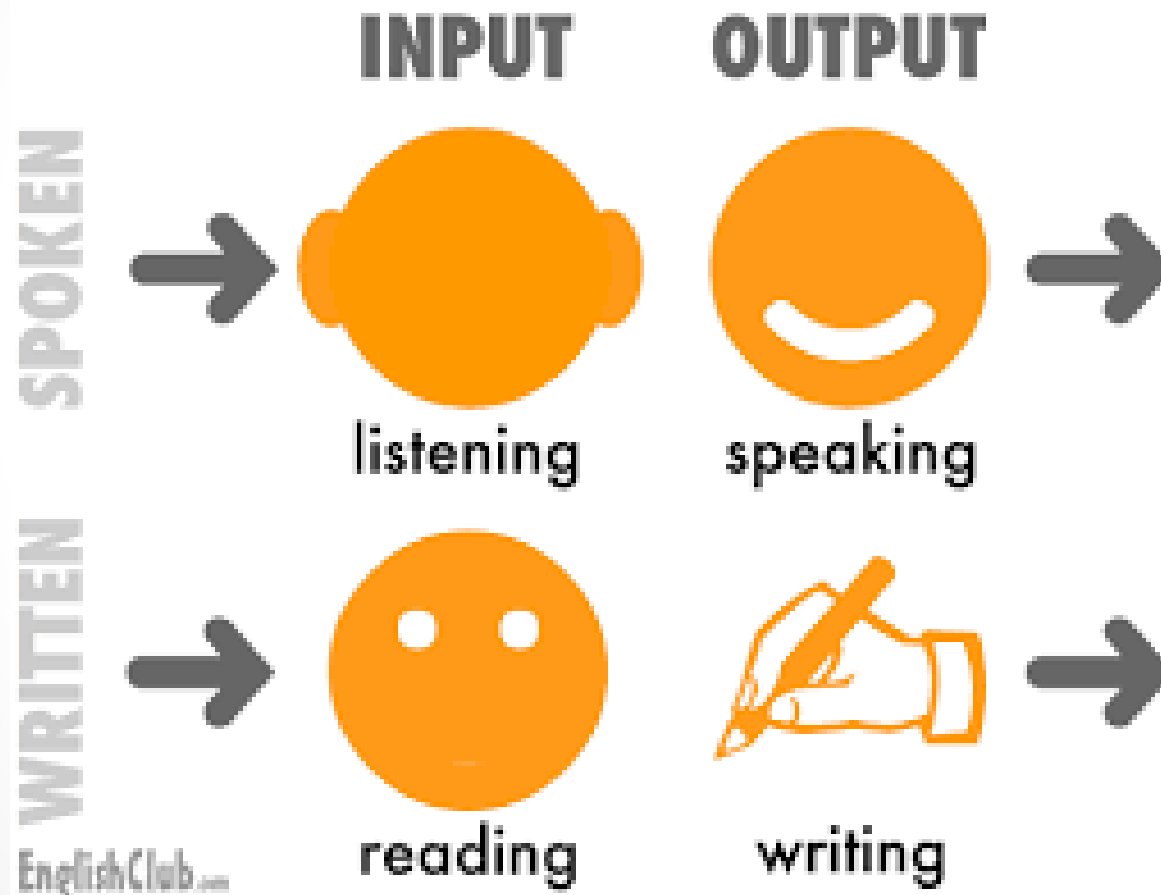
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# To start with...



# Why is writing so difficult?

- A productive skill
- Lack of practice
- Different cultural perspectives

# Why is academic writing is even more difficult?

Because it is FORMAL and WRITTEN

# Science & Engineering vs Social Sciences

Science and engineering:

1. More direct
2. More explicit sections (IMRAD CAR)
3. More graphics and tables

Social Sciences:

1. More indirect
2. The sections are implicit (Title & subtitles)
3. More words



# Let's Focus on the Language

- Do we hire a translator?
- Do we translate it ourselves?

# Hiring a translator, is it a solution?

- Easy
- Fast
- Product-oriented
- Pricey

# Translating by your own

- Process-oriented
- Less-pricey
- Time consuming



# Common mistakes in translation

- Subject-less sentences

Indonesian:

Berdasarkan hasil analysis data, dapat disimpulkan bahwa ...

English (wrong translation):

Based on the results of data analysis, can be concluded that ...

English (right translation):

Based on the results of the data analysis, it can be concluded that ...



# Subject-less sentences (cont'd)

Indonesian:

Dari hasil wawancara, ditemukan bahwa...

English (wrong translation):

From the results of the interview, found that...

English (right translation):

- From the results of the interview, it is found that...
- The results of the interview found that...

# Common mistakes in translation (cont'd)

- Literal translation

Indonesian:

Indonesia membutuhkan bibit-bibit atlet berbakat.

English (wrong translation):

Indonesia is in need of the seeds of talented athletes.

English (right translation):

Indonesia is in need of candidates of talented athletes.



# Literal translation (cont'd)

Indonesian:

... yang melindungi segenap bangsa Indonesia dan seluruh tumpah darah Indonesia ...

English (wrong translation):

... which protects the entire nation and the spilled blood of Indonesia ...

... which protects the nation and the entire blood of Indonesia ...

English (right translation):

... which protects the homeland of Indonesia ...

... which protects the entire nation and Indonesian people

...



# Common mistakes in translation (cont'd)

- Fixed terminologies  
i.e., soft skills

# Common mistakes in translation (cont'd)

- Contexts  
Labor/ labour  
Interest

# Let's paraphrase

- Find the synonym/ antonym
- Change the structure i.e., active to passive and vice versa, indirect to direct and vice versa
- Convey the main ideas in your own words

Academic writers are no longer suggested to make direct citation

# How to cite?

- To read is to answer questions



# The Sandwich Texture



# TITLE

- Written in phrases, not a sentence.
- Can be in forms of statements or questions
- Should be creative
- Sometimes provocative
- No obligation to reveal all variables
- No obligation of reveal the research method used



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- No academic titles are attached
- Authors' last names are usually not abbreviated
- Names of universities are usually written in Indonesian language
- Make sure you use your institutional email account(s)

## **Behavior of Photovoltaic during the Partial Solar Eclipse in Bandung**

**A B D Nandiyanto<sup>1\*</sup>, A Rusli<sup>1</sup>, A Purnamasari<sup>1</sup>, A G Abdullah<sup>2</sup> and L S Riza<sup>3</sup>**

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# Empowering Female Labour within Islamic Framework

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**Keywords:** Female labour, empowerment, islamic framework.

**Abstract:** Female labour contributes to household welfare and economic development. In view of the inequity in labour markets, female labour empowerment enhances the participation and competitiveness of women in both general and niche labour markets. There are numerous effective approaches in empowering female labour that include technological, vocational, educational, entrepreneurial, psychological and religious approaches. The religious approach suggests a comprehensive training ranks among effective ways to improve employee productivity. It equips labour with knowledge, skills and satisfaction. This study proposes a concept of female labour empowerment within Islamic approach based on several studies. This literature review study used qualitative method by reviewing and elaborating literature resources of related topics. Findings show that Islam gives dignity, respect, protection, and an appropriate place to women. Islamic values embedded in a comprehensive process of empowering female labour by providing inner and outer skill trainings are expected to increase business performance eventually. The study enriches knowledge and broadens the horizons of the role of religious factors in economics development. Findings also lend further support to a holistic approach in crafting human resource development and support systems in firms.



# ABSTRACT

- Background (if any) is written in no longer than one sentence.
- The main purpose of the study is commonly stated in Past Tense, and so are method and results and discussion.
- Only the main points are highlighted in Method and Results and Discussion.
- Conclusion is compulsory yet implication is optional.

# Behavior of Photovoltaic during the Partial Solar Eclipse in Bandung

A B D Nandiyanto<sup>1\*</sup>, A Rusli<sup>1</sup>, A Purnamasari<sup>1</sup>, A G Abdullah<sup>2</sup> and L S Riza<sup>3</sup>

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**Abstract.** The purpose of this study was to investigate the behavior of photovoltaic system during the partial solar eclipse phenomenon of 9 March 2016 in Bandung, Indonesia. In the experimental method, we monitored the impact of the solar eclipse on the photovoltaic system in solar cell system. To qualitatively explain the experimental observations, we compared the behavior of photovoltaic system in the solar eclipse day (9 March 2016) with the two sunny days (8 and 10 March 2016). The experimental results showed that the intensity and electricity power increased along with the solar light irradiation time. However, when there is a solar eclipse phenomenon, the intensity and electricity power is suddenly down.

# The Impact of Foreign Ownership on Corporate Risk Taking Behavior

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**Keywords:** Corporate Risk-taking, Foreign Ownership, Indonesia.

**Abstract:** This study aims to analyse the impact of foreign ownership on corporate risk taking behaviour at non-financial, non-trade, non-service and non-investing companies that are listed in the Indonesian Stock Exchange in 2014-2016. We use explanatory survey for this study. The sampling technique used is the purposive sampling method. We use secondary data obtained from the Indonesian Stock Exchange and annual reports. We then analyse the data using multiple linear regressions. The result of this study shows that foreign ownership has a positive but statistically non-significant impact on corporate risk taking behaviour.

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# INTRODUCTION

- Fundamental phenomena are formulated from the importance of the main topics of the research and are commonly written in Present.
- State of the art consists of previously related research studies and is usually in Past.
- The last statements are to reveal the gap of the study based on the state of the art and the purpose of the study as well which are most likely to be in Present.

## 1. Introduction

Photovoltaic system has attracted considerable attention of researchers because this system is one of the best options for solving the energy problems in this era [1,2] the system is potential to generate large energy from renewable energy source. [3]

Many papers have reported several developments of photovoltaic system, including information on strategies for increasing the photovoltaic system efficiency [1], managing the condition of system [4-7], and optimizing the process via model consideration [8]. However, report on the photovoltaic system behavior during the nature phenomenon (such as the solar eclipse event) is typically rare. In fact, nature has its way to control the environmental condition that can modify the process condition.

Based on our previous experience [9,10], here, the purpose of this study was to investigate the behavior of photovoltaic system when facing the partial solar eclipse phenomenon of 9 March 2016 in Bandung Indonesia. To simplify the system, we investigate the photovoltaic energy using a mini solar cell equipment that was completed with a lux meter and connected to the computer system to get real-time measurement analysis. To explain the experimental observation and to ensure the data, we compared the behavior of photovoltaic system in the solar eclipse day (9 March 2016) with the two sunny days (8 and 10 March 2016). We found that the solar eclipse phenomenon has a great impact to control the behavior of the photovoltaic system since this phenomenon create great change in the solar radiation intensity.



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# METHOD

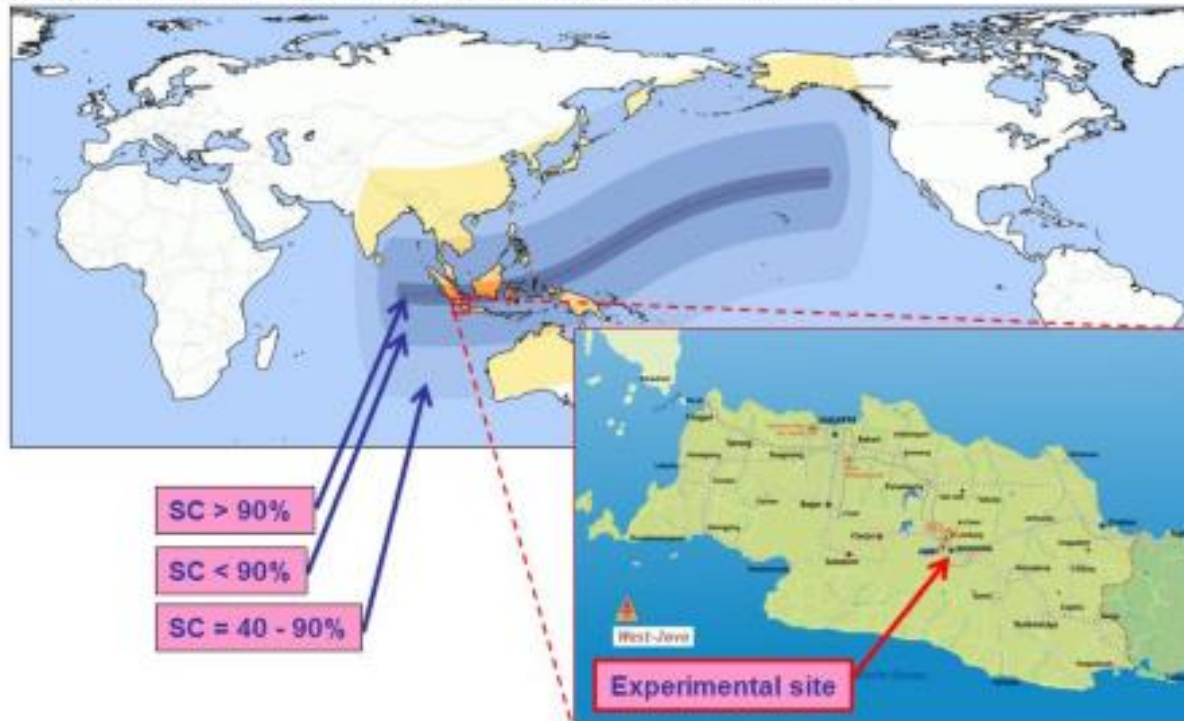
- Method is commonly written in Past Tense.
- The explanation is more likely in a narrative way rather than in pointers.
- Fixed instruments should cite their formulators.



### **3. Experimental Method**

The experiment was carried out at the experimental field of the Universitas Pendidikan Indonesia (6,86340 SL,107.59430 EL) in Bandung, Indonesia on 9 March 9 2016 (See **Figure 2**). As shown in **Figure 2**, the site was selected because it was thorough the path of the solar eclipse (about 88,76%). The day of the eclipse was characterized by mostly clear skies, with some light cloud, slight westerly winds, and comparatively low pollution.

The photovoltaic system used for the measurement was completed with a mini solar cell (3V, 0.42 Watt, Guangzhou Future Solar Technology Co. Ltd., China) with sizes of 54 x 54 x 30 mm. To ensure the effect solar irradiation on the photovoltaic system, we also analyzed the solar radiation intensity using a lux meter (BHI750FVI, Rohm Co. Ltd., Japan). All systems, including solar cell and lux meter, were connected to the computer system via a low-cost and open-source I/O board (Arduino UNO). Since the solar eclipse held in the morning, the solar intensity and the PV system were oriented to be perpendicular to the ground to get the maximum adsorption of solar energy.



**Figure 2.** Path of the solar eclipse over Indonesia on March 9, 2016. The field site was located at Universitas Pendidikan Indonesia, Bandung, about 550 km from the central axis of the eclipse totality, and experienced a 88,76 % eclipse at 07:21 local time (LT) (00:21 Universal Time (UT)). The path of solar eclipse was adopted from <https://www.timeanddate.com/eclipse/solar/2016-march-9>. The magnified map was adopted from <http://www.reisgidsindonesic.com/Gebied/West-Java>.

# RESULTS AND DISCUSSION

- Results are commonly written in Past Tense and Discussion is in Present Tense.
- In Discussion part, try to paraphrase by synthesizing the results of the current study with the existing theories and relevant research findings.
- However, emphasize the authors' original ideas as well.

#### 4. Results and Discussion

**Figure 3a** shows the photograph image of the sun during the maximum phase. We found that the Sun was red and crescent shape by the camera. This shape confirm that the moon obstacles the sun light (see **Figure 3b**). The totality of the dark was not observed because Bandung experienced the partial solar eclipse phenomenon. [9,10]

**Figure 4** depicts a time series of instantaneous output power during three sunny days (from 8 to 10 March 2016) between near to sunrise (06:00 am) and morning (09:00 am). The results showed the same trends with the solar radiation in each phases during the solar eclipse. As shown in the figure, the usual sunny day (i.e. 8 and 10 March 2016) provided the maximum electricity easily. The power increased from about 2 to the maximum electricity (3 mV). The power was detected from 2 mV because the solar intensity at 06:00 am for these three days was about 300 lux. The rate of increasing power in the usual days is about 0.033 mV/min. However, when there is a partial solar eclipse, the rate of increasing power decreased down to about 0.0058 mV/min.

# CONCLUSION

Written in a narrative way as well.

## **5. Conclusion**

We have successfully investigated the behavior of photovoltaic system when facing the partial solar eclipse phenomenon of 9 March 2016 in Bandung, Indonesia using a mini solar cell equipment that was completed with lux meter and connected to the computer system to get real-time measurement analysis. Compared to the behavior of photovoltaic system in two sunny days (8 and 10 March 2016), we found that the solar eclipse phenomenon has a great impact to control the behavior of the photovoltaic system since this phenomenon create great change in the solar radiation intensity.

# ACKNOWLEDGMENT

- Presented for those directly and significantly involved in your study.

# REFERENCES

- Know the styles
- Considering using a referencing manager.



## Acknowledgements

We acknowledged RISTEKDIKTI (Grant: Program Unggulan Perguruan Tinggi (PUPT)) and Sekolah Pasca Sarjana Universitas Pendidikan Indonesia (Grant: Penelitian Lintas Disiplin). We thank to Andi Muhlis and Dr. Tutin Ariyanti for their help in taking solar eclipse photograph picture.

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# Don't worry, you got it!

- Reading is part of writing
- Know your publisher(s)
- Practice makes perfect
- Nobody writes good first drafts

# Writing proceedings for beginners

Find a good example, and copy their style of writing.



THANK YOU