

ACADEMIC ETHICS



Prof. Dr. İsmail H. Altaş
www.altas.org

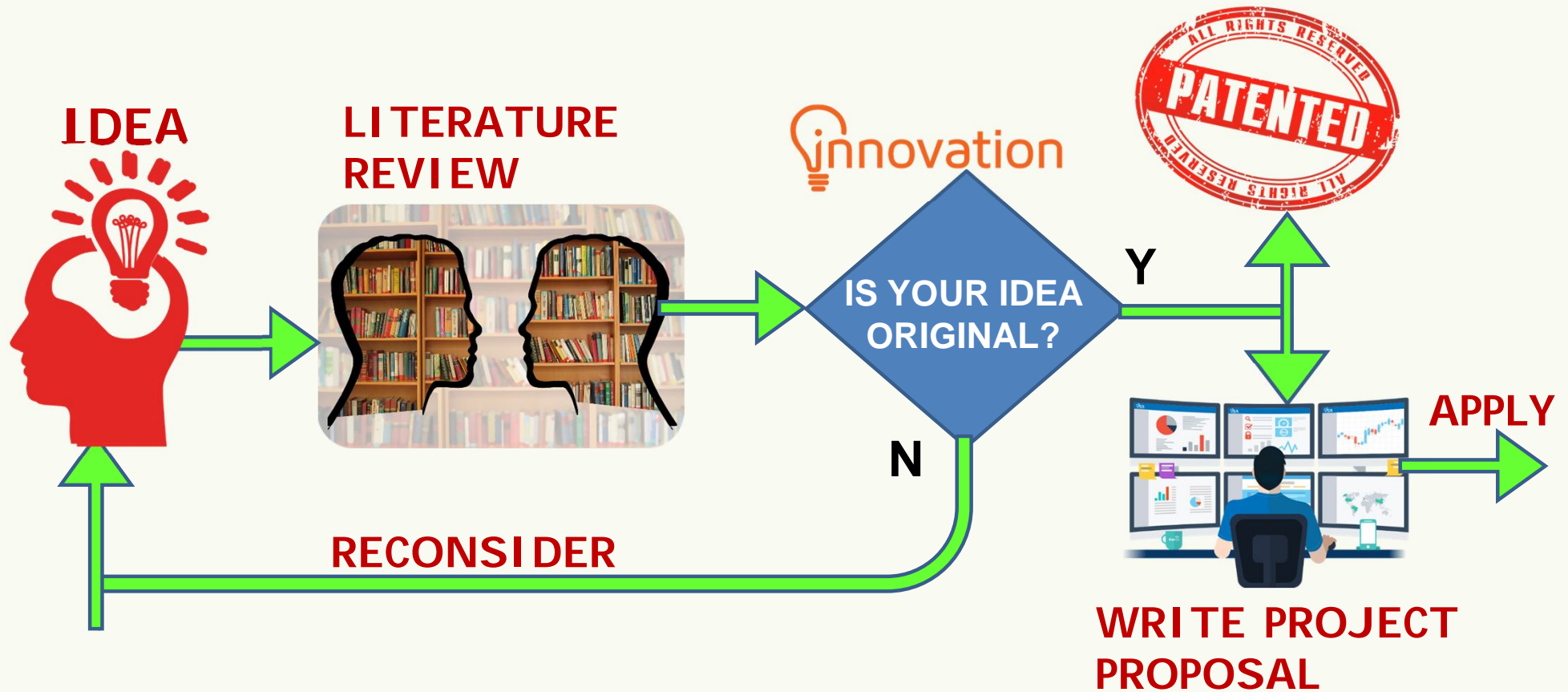
ACADEMIC ETHICS



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SCIENTIFIC RESEARCH



WRITE PROJECT PROPOSAL

Based on Your ideas



Litreture review



Originality of the idea



Your methodology



Expected results



Time-table

work packages

Risk analysis

Applicability

Widespread effect



CITATION

Citation is the process of documenting the sources you use in your writing.

A source is any document (a book, an article, a video, etc.) that you borrow ideas from to support your writing.

The specific details of how you cite your sources depend on the citation style that you use, but generally, all citation includes two parts:

- an in-text citation (a note in the body of your paper) and
- a bibliography entry (a longer note at the end of your paper).

Plagiarism

The taking and using as one's own...

- The thoughts,
- writings, or
- inventions of other.

Not just the words, but also

- ideas
- methods,
- data,
- Images.

Pretending something
is yours when it is not

Taking in whole or in part, without attribution, in accordance with scientific rules.



Fabrication

- Editing the submitted or published document falsely or changing a document or knowingly using the false document.
- Generating, reporting or publishing data that is not based on research.
- Presenting undone research work as if it has been done





Falsification

- To falsify research records and data obtained,
- To Show the unused methods, devices and materials not used in the research,
- Not to evaluate the data that are not suitable for the research hypothesis,
- Manipulating data and/or results to fit relevant theory or assumptions.

Duplication

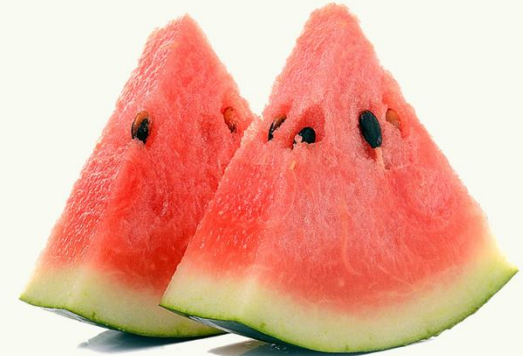
- Submitting or publishing the same results of a study to more than one journal for publication.
- In cases where the content of the publication concerns more than one field of expertise and it is beneficial to publish it in a different language, repetition of the publication may be accepted, provided that the approval of both publishing organizations is obtained.



Slicing



To publish a large number of publications by inappropriately disaggregating the results of a research in a way that violates the integrity of the research.



UNFAIR AUTHORITY



Scratch my back, I scratch
your back

Including people who do not have an active contribution among the authors,

not including these people among the authors even though they have active contributions,

and changing the order of authors in an unjustified and inappropriate way.

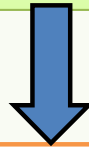
OTHER TYPES OF ETHICAL VIOLATIONS

- Making citations beyond reasonable limits without complying with scientific rules in their publications.
- When benefiting from a previously published or unpublished study in scientific publications or in all kinds of articles, compilations, books, reports and similar publications published for the general public, that study should be cited as a source in accordance with scientific publication rules.
- Except for universally recognized scientific theories, mathematical theorems and proofs, no work can be published in whole or in part in translation or in its original form without permission or without showing the original source.



Research Expectations

As a result of the research, new methods will be developed and the existing ones will be contributed.



Method
development

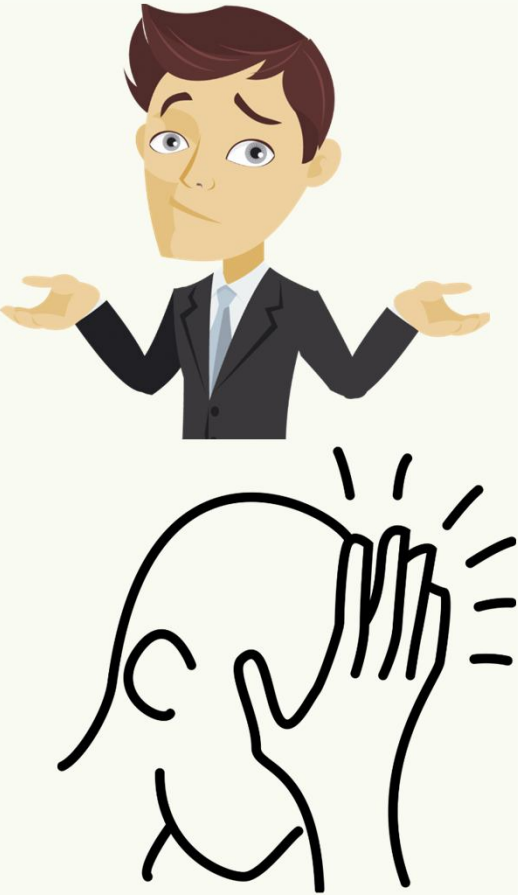
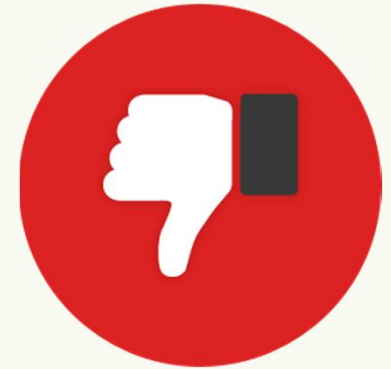
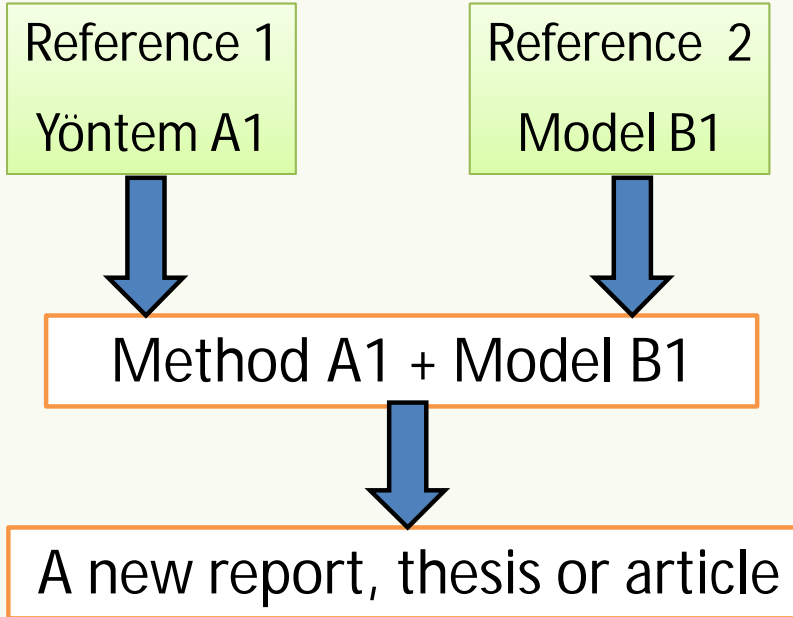
Research will reveal new problems and new approaches will be developed for modeling these new problems.



Approach
development



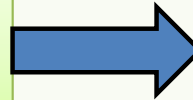
Bad Examples



Bad Examples



Reference A
Model A1



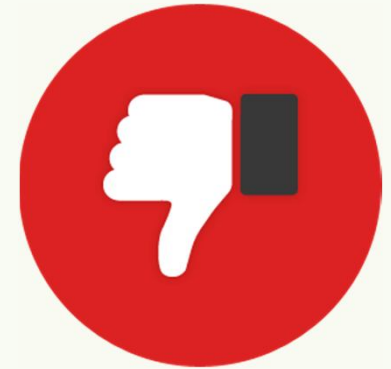
Package Programs
Method Solution Pack



Results



A new report, thesis or article



Good Examples



Kaynak 1

Method A1

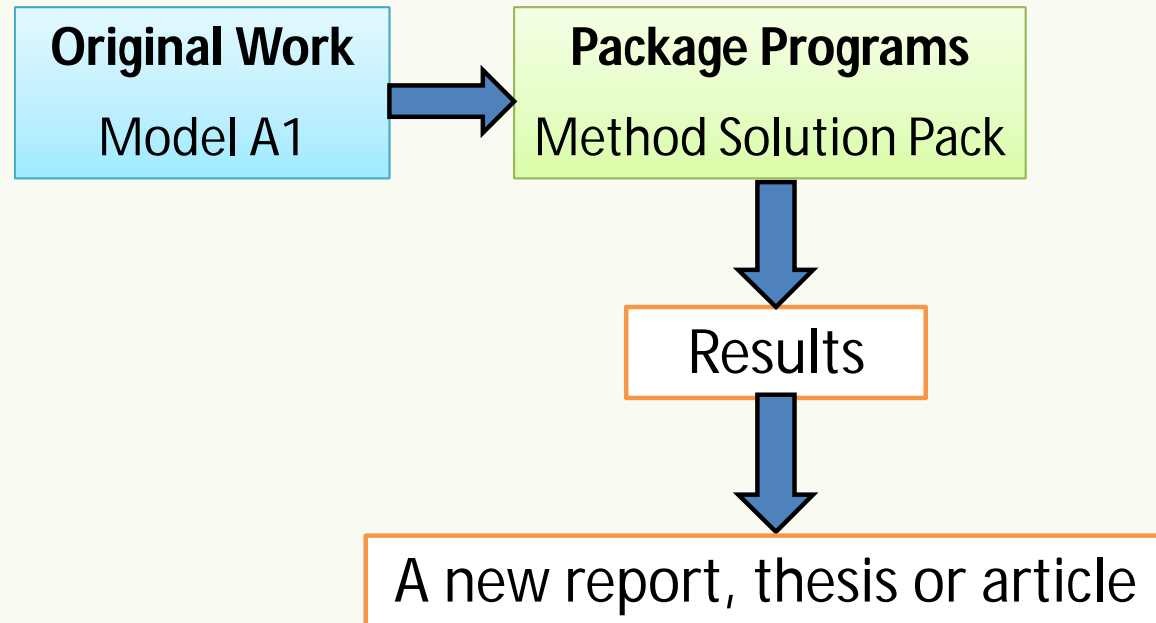
Özgün Çalışma

Model B1

Method A1 + Model B1

A new report, thesis or article

Good Examples



AR-GE DEPARTMENTS RESEARCH PROJECTS



Using References in Technical Writings



Using References in Technical Writings

- American Psychological Association (APA) Style
- Modern Language Association (MLA) Style
- Chicago Manual of Style
- IEEE Style
- American Medical Association (AMA) Style

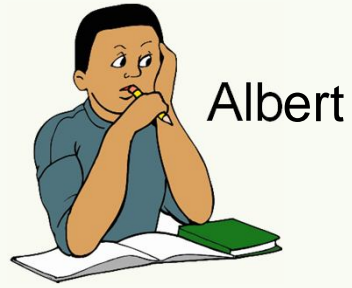
Plagiarism

- Knowing the importance of non-plagiarism will help you write better reports in the future.
- non-plagiarism will improve your critical thinking skills and increase your overall study skills.
- Academic studies are based on efficient use of resources and avoidance of plagiarism.
- Plagiarism keeps you from learning, because the more you plagiarize, the less you understand.
- There are serious penalties for plagiarism. Even if it's an accidental plagiarism.



Plagiarism

EXAMPLES





Plagiarism

EXAMPLES

Albert

Albert is busy with another work and went out to celebrate when it's done.

When he wakes up in the morning next day, he realizes that he has another work and he has to finish it immediately.

He Googles it right away, and with a mix of copy, paste, reshape some of the information he finds, he prepares and delivers something in a few hours.

However, the expert who evaluates these studies is also someone who makes an evaluation by doing a Google search, and immediately detects the quotations from the internet and gives **zero** points to the relevant study.

Plagiarism

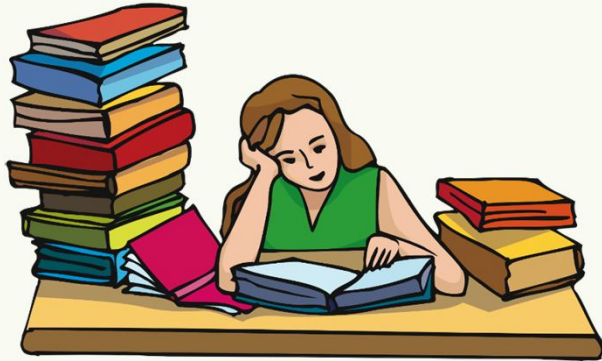
EXAMPLES

Beste

Beste has done a lot of research and kept notes on her Work. However, she was careful and did not record the sources she took notes in detail.

When she started to write her study report, she was confused and undecided about which were her own ideas and which were taken from sources.

She has now joined a conversation about plagiarism and as she listens she thinks that she is actually a bit of a messy person and will be accused of dishonesty as a result.



Plagiarism

EXAMPLES

Candan

Candan did a serious study and put a lot of effort in preparing her report. Satisfied and happy with what she did.

But she never understood the citation system. She listed all the books she used at the end of the report according to their publication dates, but she did not feel the need to specify which source she used and where in the report.

She thought that the list of sources she put at the end would be sufficient, but the instructor who evaluated the report did not agree with her. He viewed this as a form of plagiarism and rated the report with a low mark.





Plagiarism

EXAMPLES

Dursun understands what he listens very well, but has difficulty in putting together what he understands in his own words.

He sees that everything is in order in the academic books, and he thinks that he does not have much to add to it.

Sometimes he cuts out and reorganizes parts of different books that he finds good and organizes them into a new answer. He thinks that this is not a plagiarism, as he combines the information and opinions he finds as a result of his research from different sources.

But unfortunately, the expert who evaluated the reports does not agree with him.

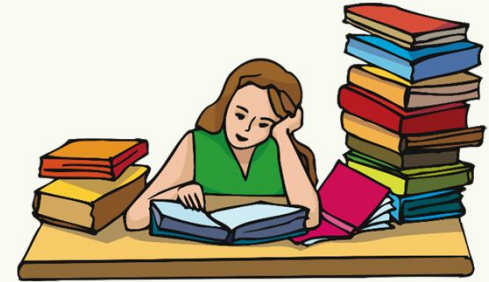
Plagiarism **EXAMPLES**



ALBERT

There is a case of deliberate plagiarism as a result of not using time efficiently and unplanned.

BESTE
The plagiarism resulting from ignoring the source information.



CANDAN
The plagiarism resulting from incomplete citation.



DURSUN
A plagiarism resulting from not taking careful notes.



Plagiarism **EXAMPLES**

We met four students (or researchers).
They are not familiar to plagiarism.
They have no idea about plagiarism.

So they must first learn what plagiarism is and then how to avoid it.

- What is plagiarism?
- How to avoid plagiarism?

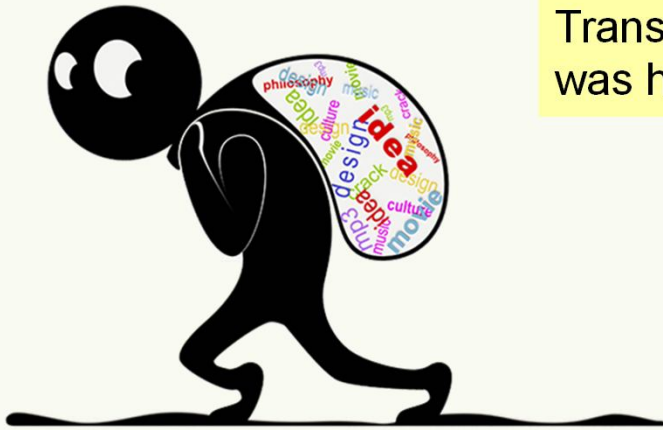
Plagiarism

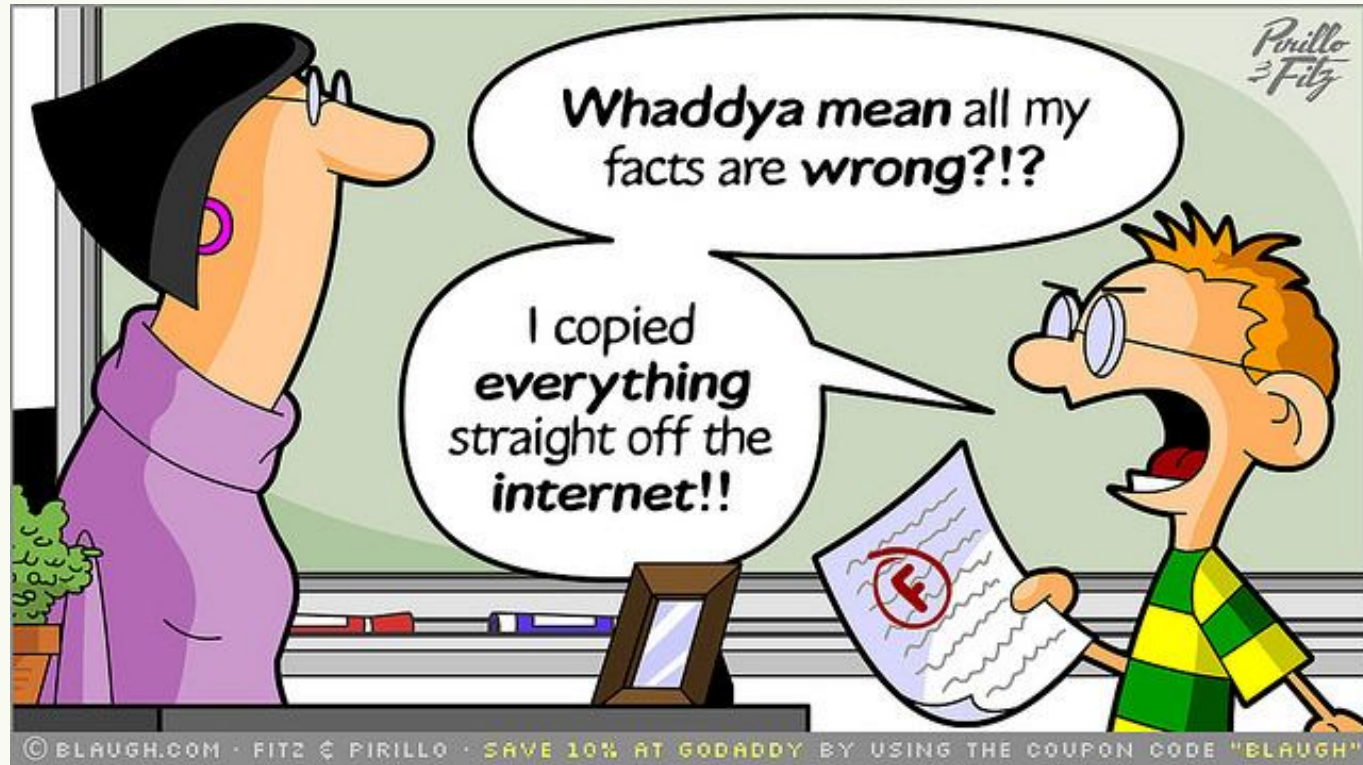
EXAMPLES

Plagiarism (Recall the definition)

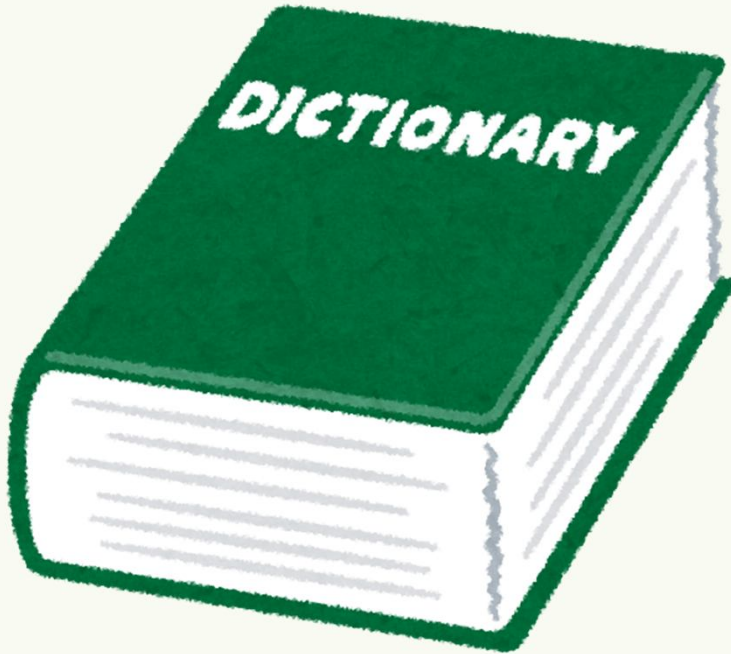
Presenting the ideas, methods, data, practices, writings, works and figures of others as his/her own, in whole or in part, without attribution.

Translating and printing foreign language books, articles, etc. as if it was his/her own.





Just to laugh.



SOURCE: The new Shorter Oxford English Dictionary, 1973.

plagiarism / *n*

"the taking and using as one's own ... the thoughts, writings, or inventions of another"

Pretending something is yours when it isn't

Not just the words, but also ideas, data, images, etc.

Plagiarism: Is it yes or no?

Original text

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "

I.H. Altas, A.M. Sharaf, A novel maximum power fuzzy logic controller for photovoltaic solar energy systems, *Renewable Energy*, Volume 33, Issue 3, 2008, Pages 388-399.

Plagiarism: Is it yes or no?

Original text

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "

Text used in the report

The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked.

IS IT PLAGIARISM?

Plagiarism: Is it yes or no?

Text used in the report

The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradiations, the PVA generates different peak power points to be determined and used as reference power values to be tracked.

Quoted Word by word. No source has been shown.

DEFINITELY PLAGIARISM

Plagiarism: Is it yes or no?

Original text

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "

Text used in the report

The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. (Altas, 2008)

IS IT PLAGIARISM?

Plagiarism: Is it yes or no?

Text used in the report

The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. (Altas, 2008).

Absolutely plagiarism!

Better than the previous one, because there is a citation at the end. But since it is taken word by word, it is plagiarism. If this paragraph was enclosed in quotation marks "...", it would mean that it is the same as the original. Then there would be no plagiarism.

Plagiarism: Is it yes or no?

Original text

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "

Text used in the report

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "
(Altaş, 1999)

IS IT PLAGIARISM?

Plagiarism: Is it yes or no?

Text used in the report

“The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. “ (Altaş, 1999)

NO, IT IS NOT PLAGIARISM?

Plagiarism: Is it yes or no?

Original text

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "

Text used in the report

As stated by Altas (2008), "The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. " This paper deals with the control of MPPT for different solar irradianations,

IS IT PLAGIARISM?

Plagiarism: Is it yes or no?

Text used in the report

As stated by Altas (2008), “The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. “ This paper deals with the control of MPPT for different solar irradianations,

NO, IT IS NOT PLAGIARISM?

Plagiarism: Is it yes or no?

Original text

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "

Text used in the report

The MPPT consists of two problems to be **solved**. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For **various** solar **light levels** the PVA **produce** different peak power points to be determined and used as reference. (Altaş, 1999)

IS IT PLAGIARISM?

Plagiarism: Is it yes or no?

Raporda Kullanılan metin

The MPPT consists of two problems to be **solved**. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For **various** solar **light levels** the PVA **produce** different peak power points to be determined and used as reference. (Altaş, 1999)

It has been quoted with minor word changes. The source is cited but the sentence structure is the same except for a little tweaking.

DEFINITELY PLAGIARISM

Plagiarism: Is it yes or no?

Text used in the report

Original text

"The MPPT consists of two problems to be dealt with. One of these problems is to determine the MPP for the current solar irradiation level and track it as the solar irradiation level changes. For different solar irradianations, the PVA generates different peak power points to be determined and used as reference power values to be tracked. "

The MPPT consists of two problems to be dealt with. **The first problem** is to determine the MPP for the current solar **light** level and **keep tracking it** as the solar **light level and temperature** changes. **The PVA generates different peak power points to be determined for different solar light levels**, and used as reference power values to be tracked. (Altas, 2008)

IS IT PLAGIARISM?

Plagiarism: Is it yes or no?

Text used in the report

The MPPT consists of two problems to be dealt with. **The first problem** is to determine the MPP for the current solar **light** level and **keep tracking it** as the solar **light level and temperature** changes. **The PVA generates different peak power points to be determined for different solar light levels**, and used as reference power values to be tracked. (Altas, 2008)

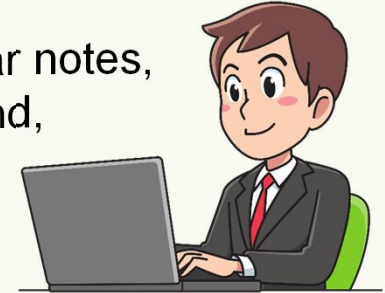
It was quoted, but the author showed that he/she had knowledge of the subject by including his/her own views. The author also cited the source for the quote.
No “...” is needed as it doesn't take the paragraph as it is.

NO, IT IS NOT PLAGIARISM?

Plagiarism: Is it yes or no?

WHAT SHOULD BE DONE?

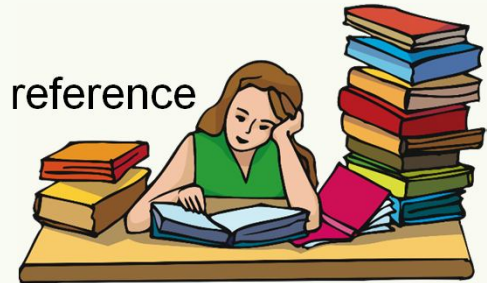
Step 1: Take regular notes,
Choose, Understand,
Remember.



Step 3: Write the
references correctly.



Step 2: Save reference
details.



Step 1: Plan ahead
what you will do.



A good website about citation and plagiarism

<https://www.easybib.com/>

Citation styles:

MLA

APA

CHICAGO

HARVARD

WHAT YOU NEED FOR CITATION

A citation for a journal article usually includes the following:

- Author name(s)
- Article title
- Journal title
- Volume number
- Issue number
- Month (or season) and year of publication
- Page numbers
- URL or DOI (if accessed online)

Cite a Journal Article Found in Print

Chicago Style Journal Citation Structure:

Note:

First name Last Name, "Article Title," *Journal Title* volume, no. issue (Month year of publication): Page-page.

Bibliography:

Last name, First name. "Article Title." *Journal Title* volume, no. issue (Month year of publication): Page-page.

Example:

Notes:

Meng-Fen Grace Lin, Ellen S. Hoffman, and Claire Borengasser, "Is Social Media Too Social for Class? A Case Study of Twitter Use," *TechTrends* 57, no. 2 (February 2013): 39-40.

Bibliography:

Lin, Meng-Fen Grace, Ellen S. Hoffman, and Claire Borengasser. "Is Social Media Too Social for Class? A Case Study of Twitter Use." *TechTrends* 57, no. 2 (February 2013): 39-40.

Cite a Journal With Four or More Authors

Chicago Style Journal Citation Structure:

Note:

First name Last name et al., “Article Title,” *Journal Title* volume number, issue number (Month year of publication): Page-page, DOI or URL.

Bibliography:

Last name 1, First name 1, First name 2 Last name 2, First name 3 Last name 3, First name 4 Last name 4. “Article Title.” *Journal Title* volume number, issue number (Month year of publication): Page-page. DOI or URL.

Cite a Journal With Four or More Authors

Chicago Style Journal Citation :

Example

Note:

Tamara Hafner et al., “Defining Pharmaceutical Systems Strengthening: Concepts to Enable Measurement,” *Health Policy and Planning* 32, no. 4 (May 2017): 572–84, <https://www.jstor.org/stable/48509358>.

Bibliography:

Hafner, Tamara, Helena Walkowiak, David Lee, and Francis Aboagye-Nyame. “Defining Pharmaceutical Systems Strengthening: Concepts to Enable Measurement.” *Health Policy and Planning* 32, no. 4 (May 2017): 572–84. <https://www.jstor.org/stable/48509358>.

Cite a Journal Article Found Online

Chicago Style Online Journal Citation Structure:

Note:

First name Last name, "Article Title," *Journal Title* volume number, issue number (Month year of publication): Page-page, DOI or URL.

Bibliography:

Last name, First name. "Article Title." *Journal Title* volume number, issue number (Month year of publication): Page-page. DOI or URL.

Note: If no DOI is available, use a stable URL.

DOI: Digital Object Identifier

Cite a Journal Article Found Online

Chicago Style Online Journal Citation:

Example

Note:

James Trier, "'Cool' Engagements with YouTube: Part 2," *Media Literacy* 50, no. 7 (November 2007): 599, <https://doi.org/10.1598/JAAL.50.7.8>.

Bibliography:

Trier, James. "'Cool' Engagements with YouTube: Part 2." *Media Literacy* 50, no. 7 (November 2007): 598-603. <https://doi.org/10.1598/JAAL.50.7.8>.

IEEE CITATION FORMAT

Books with authors

M. Buresch, *Photovoltaic Energy Systems Design and Installation*, McGraw-Hill, New York, 1983.

Books with editor

J. Breckling, Ed., *The Analysis of Directional Time Series: Applications to Wind Speed and Direction*, ser. Lecture Notes in Statistics. Berlin, Germany: Springer, 1989, vol. 61.

IEEE CITATION FORMAT

Journal papers

L.A. Zadeh, "Fuzzy sets", *Information and Control*, 8, 1965, pp. 338-353.

W.Z.Fam and M.K.Balachander, "Dynamic Performance of a DC Shunt Motor Connected to a Photovoltaic Array", *IEEE Trans. Energy Conversion*, Vol. EC-3, No.3, September 1988, pp.613-617.

IEEE CITATION FORMAT

Conference or symposium proceedings

M. Wegmuller, J. P. von der Weid, P. Oberson, and N. Gisin, “High resolution fiber distributed measurements with coherent OFDR,” in *Proc. ECOC’00*, 2000, paper 11.3.4, p. 109.

İ. H. Altaş, “A Fuzzy Logic Controlled Tracking System For Moving Targets”, *12th IEEE International Symposium on Intelligent Control, ISIC’97*, July 16-18, 1997, Istanbul, Turkey, pp. 43-48.

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Patent

R. E. Sorace, V. S. Reinhardt, and S. A. Vaughn, “High-speed digital-to-RF converter,” U.S. Patent 5 668 842, Sept. 16, 1997.

Web site or web page

International Energy Agency, “Electricity and Heat for 211”, website. [Online].

Turkey 2021, (<https://www.iea.org/reports/turkey-2021>), Available as of February 19, 2022.

IEEE CITATION FORMAT

Legislation and Regulation

Karadeniz Teknik Üniversitesi Önlisans Ve Lisans Eğitim-öğretim Yönetmeliği,
(<https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=23952&MevzuatTur=8&MevzuatTertip=5>), Mevzuat Geliştirme ve Yayın Genel Müdürlüğü, Mevzuat bilgi Sistemi, Web [Online], Erişim tarihi: 22 Haziran 2014.

Elektrik İç tesisleri Yönetmeliği,
(<http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.10391&sourceXMLSearch=&MevzuatIliski=0>), Erişim tarihi: 22 Haziran 2014.

IEEE CITATION FORMAT

Data books and user guides

FLEXChip Signal Processor (MC68175/D), Motorola, 1996.

“PDCA12-70 data sheet,” Opto Speed SA, Mezzovico, Switzerland.

Thesis

A. Karnik, “Performance of TCP congestion control with rate feedback: TCP/ABR and rate adaptive TCP/IP,” M. Eng. Thesis, Indian Institute of Science, Bangalore, India, Jan. 1999.

IEEE CITATION FORMAT

Technical Reports

J. Padhye, V. Firoiu, and D. Towsley, “A stochastic model of TCP Reno congestion avoidance and control,” Univ. of Massachusetts, Amherst, MA, CMPSCI Tech. Rep. 99-02, 1999.

Standards

Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specification, IEEE Std. 802.11, 1997.



IEEE

CODE OF ETHICS

We, the members of the IEEE, in recognition of the importance of our technologies in affecting the quality of life throughout the world, and in accepting a personal obligation to our profession, its members and the communities we serve, do hereby commit ourselves to the highest ethical and professional conduct and agree:

1. to accept responsibility in making engineering decisions consistent with the safety, health and welfare of the public, and to disclose promptly factors that might endanger the public or the environment;
2. to avoid real or perceived conflicts of interest whenever possible, and to disclose them to affected parties when they do exist;
3. to be honest and realistic in stating claims or estimates based on available data;
4. to reject bribery in all its forms;
5. to improve the understanding of technology, its appropriate application, and potential consequences;

Continued...



CODE OF ETHICS

6. to maintain and improve our technical competence and to undertake technological tasks for others only if qualified by training or experience, or after full disclosure of pertinent limitations;
7. to seek, accept, and offer honest criticism of technical work, to acknowledge and correct errors, and to credit properly the contributions of others;
8. to treat fairly all persons regardless of such factors as race, religion, gender, disability, age, or national origin;
9. to avoid injuring others, their property, reputation, or employment by false or malicious action;
10. to assist colleagues and co-workers in their professional development and to support them in following this code of ethics.



TÜBİTAK ARAŞTIRMA VE YAYIN ETİĞİ KURULU (TAYEK)

TÜBİTAK ARAŞTIRMA VE YAYIN ETİĞİ KURULU YÖNETMELİĞİ

Code of ethics for panelists (Panelistler için etik kurallar)

https://www.tubitak.gov.tr/sites/default/files/247_sayili_bk_islenmis_hali.pdf



YOK -BİLİMSEL ARAŞTIRMA VE YAYIN ETİĞİ YÖNERGESİ

<https://www.yok.gov.tr/Sayfalar/Kurumsal/mevzuat/bilimsel-arastirma-ve-etik-yonetmeligi.aspx>

Professional Obligations

1. Engineers shall be guided in all their relations by the highest standards of honesty and integrity.
2. Engineers shall at all times strive to serve the public interest.
3. Engineers shall avoid all conduct or practice that deceives the public.
4. Engineers shall not disclose, without consent, confidential information concerning the business affairs or technical processes of any present or former client or employer, or public body on which they serve.
5. Engineers shall not be influenced in their professional duties by conflicting interests.
6. Engineers shall not attempt to obtain employment or advancement or professional engagements by untruthfully criticizing other engineers, or by other improper or questionable methods.



Professional Obligations (continued...)



NATIONAL
SOCIETY OF
PROFESSIONAL
ENGINEERS

7. Engineers shall not attempt to injure, maliciously or falsely, directly or indirectly, the professional reputation, prospects, practice, or employment of other engineers. Engineers who believe others are guilty of unethical or illegal practice shall present such information to the proper authority for action.
8. Engineers shall accept personal responsibility for their professional activities, provided, however, that engineers may seek indemnification for services arising out of their practice for other than gross negligence, where the engineer's interests cannot otherwise be protected.
9. Engineers shall give credit for engineering work to those to whom credit is due, and will recognize the proprietary interests of others.

<https://www.nspe.org/resources/ethics/code-ethics>

Engineers' Creed (2021)

As a Professional Engineer, I dedicate my professional knowledge to the advancement and betterment of public health, safety, and welfare.

I pledge:

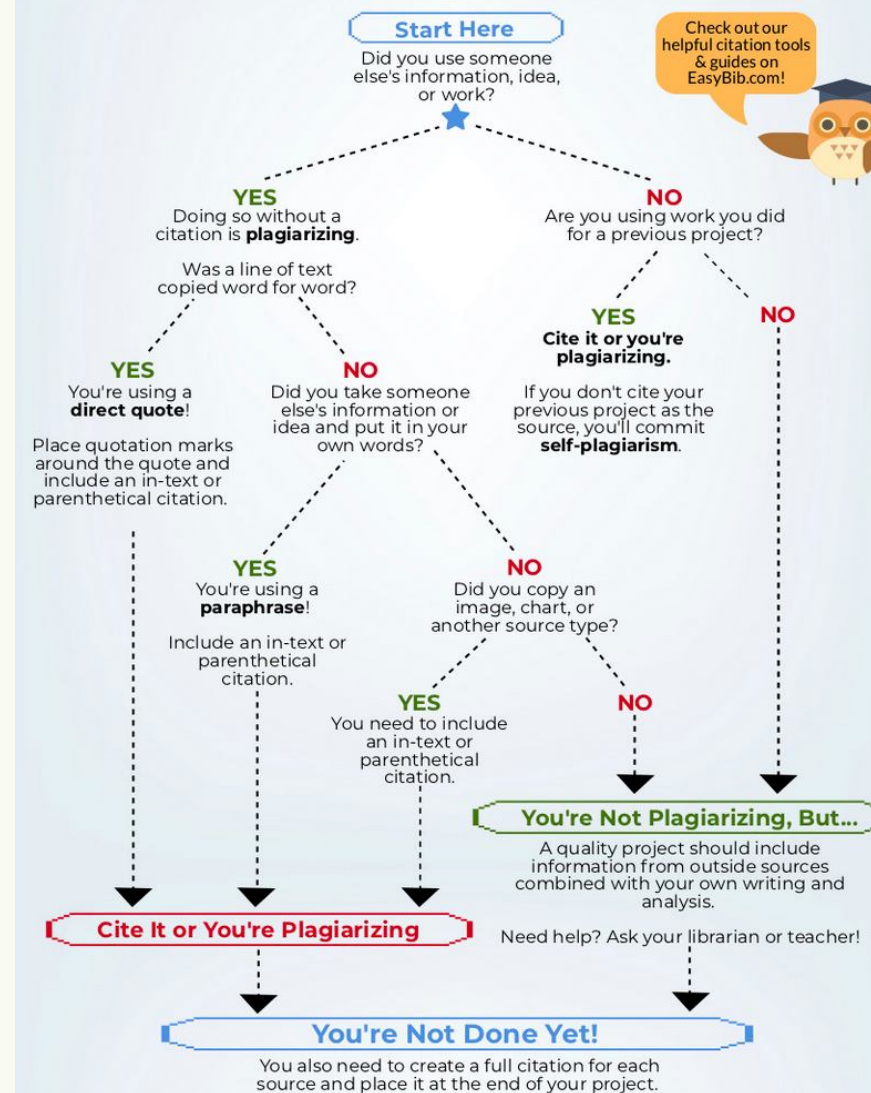
- To give the utmost of performance;
- To participate in none but honest enterprise;
- To live and work according to the highest standards of professional conduct;
- To place service before profit, the honor and standing of my profession before personal advantage, and the public welfare above all other considerations.

In humility, I make this pledge.



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I wish you an ethical world.