# Bahan Ajar: Plagiarism

Hamdhani, S.P., M.Sc., Ph.D.



Now.... Mempublikasikan hasil penelitian pada jurnal ilmiah

• Jurnal ilmiah pada umumnya adalah sebuah publikasi periodik berupa karya tulis artikel ilmiah yang diterbitkan secara berkala.

Biasanya, jurnal ilmiah diterbitkan pada jangka waktu tertentu yaitu setiap empat bulan atau satu tahun sekali. Isi pembahasannya pun cukup luas dengan isi yang padat dan umumnya terdiri dari 3 hingga belasan halaman saja.

Ini berbeda dengan majalah biasa

# Format atau susunan untuk jurnal ilmiah pada umumnya terdiri dari:

- 1. Judul
- 2. Abstrak
- 3. Pendahuluan
- 4. Bahan dan Metode
- 5. Hasil
- 6. Pembahasan
- 7. Kesimpulan
- 8. Daftar Pustaka

### 1. Original Research/research paper

This is the most common type of journal manuscript used to publish full reports of data from research.

It may be called an *Original Article, Research Article, Research,* or just *Article,* depending on the journal.

### 2. Short reports/communication:

These papers communicate brief reports of data from original research that editors believe will be interesting to many researchers, and that will likely stimulate further research in the field.

As they are relatively short the format is useful for scientists with results that are time sensitive (for example, those in highly competitive or quicklychanging disciplines).

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#### SHORT COMMUNICATION

WILEY

#### Can fish lifts aid upstream dispersal of the invasive red swamp crayfish (Procambarus clarkii) past high-head hydropower plants?

José Maria Santos<sup>1</sup> | Susana Dias Amaral<sup>1</sup> | Joao Pádua<sup>2</sup>

Poresi Research Contra School of

Actividades Laboratoriais, S.A. Sacovire

Joel Maria Sentos, Porest Besearch: Centre, Sideopt of Agriculture, University of Linkon. Tapada da Ajuda, 1349-017 Liabon, Portugal. Emply because on Discontinuous of

EDP, S.A. Energies de Partugal)

Many types of fish passage facilities have been built worldwide to mitigate river fragmentation by instream barriers and partially restore upstream movements of fish Among these, fish lifts are a design that enables fish to pass through high-head obstacles (>15 m height) and can be considered the most cost-effective fishway. However fishways may also be used by non-native invasive species to disperse and impact new areas and organisms upstream. As far as the authors are aware, this short communication is the first record of the red swamp crayfish (Procambarus clarkil) passing through a fish lift. The lift, built at the Touvedo hydropower plant on the Lima River (northwestern Portugal), was mainly designed for the upstream passage of diadro mous fish. Fish-lift use and upstream passage of two gravfish occurrent over 2 years (November 2017-October 2020) during periods of turbine shutdown and high water temperatures (18°C). In the present case, the crayfish passage should not pose a serious threat due to the limiting characteristics of the upstream lotic environment. Nevertheless, despite the small sample size, this study shows the importance of considering the passage of invasive crayfish species while planning future fishways and the need to continuously monitor such facilities to detect the passage of this and other non-native invasive species.

crayfish, dams, fish passage, hydropeaking, invasive species, video-monitoring

#### 1 | INTRODUCTION

invasion by non-native species currently stands out as one of the main threats to biodiversity, leading to severe decline or extinction of native species. The result can be ecosystem homogenization, particularly in freshwater ecosystems, with invader impact causing annual losses of billions of euros and dollars (Cuthbert et al., 2021). Despite the increase in the number of non-native species that is annually reported to occur in river basins (Oficialdeeui et al., 2019). only a small proportion establish self-sustaining populations, spread to new environments, and negatively interact with native species causing biodiversity and ecosystem service losses [Twordochleb.

Olden, & Larson, 2013). However, this small proportion can become

This situation has occurred in the case of the red swamp crayfish (Procumburus clarkil), a successful invader worldwide (Oficialdegui et al., 2019). The species, native to North America, was introduced in Europe in the 1970s because of its high economic importance and food value. Its first occurrence in Portugal dates back to 1979 (Moreira et al., 2015), expanding thereafter from southeastern to northwestern river basins due to natural and anthropoeenic dispersion. The impacts of the red swamp crayfish on other species and ecosystems have been detailed in the literature over the past decade and include decline and local extinctions of native grayfish, fish

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#### 3. Review Articles:

Review Articles provide a comprehensive summary of research on a certain topic. They are often (**not always**) written by leaders in a particular discipline after invitation from the editors of a journal. Reviews commonly cite approximately 100 primary research articles.

### Contoh:

Revolved: 24 July 2019 Revived: 1 April 2020 Accepted: 7 April 2020

DOI: 10.1111/Fwb.13519

#### REVIEW



Release of treated effluent into streams: A global review of ecological impacts with a consideration of its potential use for environmental flows

Hamdhani Hamdhani 1.2 0

Drew E. Eppehimer<sup>1</sup> | Michael T. Bogan<sup>1</sup>

School of Natural Resources and the Environment, University of Arizona, Tucson,

Department of Aquatic Resources Management, University of Mulawarman, Samarinda, Indonesia

lesources and the Environment, University of Arizona, 1064 E Lowell St. Tucson, AZ

Email: hamiltuni@email.aruona.edu

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- 1. Worldwide; the addition of treated wastewater (i.e. effluent) to streams is becoming more common as urban populations grow and developing countries increase their use of wastewater treatment plants. Release of treated effluent can impair water quality and ecological communities, but also could help restore flow and maintain aquatic habitat in water-stressed regions. To assess this range of potential outcomes, we conducted a global review of studies from effluent fed streams to examine the impacts of effluent on water quality and aquatic and riparian blots.
- 2. We identified 147 quantitative studies of effluent-fed streams, most of which were from the U.S.A. and Europe. Over 85% of the studies identified water quality as a primary study focus, including basic physical and chemical parameters, as well as trace organic contaminants. Nearly 60% of the studies had at least some focus on aquatic or riparian blota, primarily fish, aquatic invertebrates, and basal resources (e.g. algae).
- 3. Effluent inputs generally impaired water quality near discharge points, mainly through increased water temperature, nutrients, and concentrations of trace organic contaminants, but also via decreased dissolved oxygen levels. The majority of ecological studies found that basal resources, aquatic invertebrates, and fish were negatively affected in a variety of ways (e.g. biodiversity losses, replacement of sensitive with tolerant species). However, several studies showed the importance of effluent in providing environmental flows to streams that had been dewatered by anthropogenic water withdrawals, especially in semi-arid and arid
- Knowledge gaps identified include the abiotic impacts of effluent, such as changes in channel morphology and hydrology le.g. how nutrient-rich and warmer effluent affects infiltration rates or interactions with groundwater), the effects of effluent on plants and vertebrates (e.g. amphibians, birds), and the impact of effluentinduced perennialisation on naturally intermittent or ephemeral streams
- 5. Although effluent-fed streams often exhibit signs of ecological impairment, there is great potential for these systems to serve as refuges of aquatic biodiversity

https://onlinelibrary.wiley.com/doi/full/10.1111/fwb.13519

Freshwater Biology, 2020;65:1657-1670. wileyordinelibrary.com/journal/fwb © 2020 John Wiley & Som Ltd. 1657

### 4. Case Studies:

These articles report specific instances of interesting phenomena.

A goal of Case Studies is to make other researchers aware of the possibility that a specific phenomenon might occur.

This type of study is often used in medicine to report the occurrence of previously unknown or emerging pathologies.

### 5. Methodologies or Methods

These articles present a new experimental method, test or procedure.

The method described may either be completely new, or may offer a better version of an existing method.

https://www.mdpi.com/2073-4441/13/10/1409/htm





Article

#### Performance of a Handheld Chlorophyll-a Fluorometer: Potential Use for Rapid Algae Monitoring

Hamdhani Hamdhani 1,2,40, Drew E. Eppehimer 1, David Walker 1 and Michael T. Bogan 1

- School of Natural Resources and the Environment, University of Arizona, Tucson, AZ #5721, USA; depochimen@email.arizona.edu (D.E.E.); infraganillarizona.edu (M.T.B.)
- Department of Aquatic Resources Management, University of Mulawarman, Samatinda 75123, Indonesia
- Department of Environmental Science, University of Arizona, Tucson, AZ 85723, USA; dwaller@ag.arizona.edu
- Correspondence handharettenail anema edu

Abstract: Chlorophyli-i measurements are an important factor in the water quality monitoring of surface waters, especially for determining the trophic status and ecosystem management. However,

a collection of field samples for extractive an conditions. Handbald fluorometers that can performance in waters with a variety of potes. We besied a handbald fluorometer for sensition findings with EFA Method 445.0 using wate Arizona, USA, Our results suggested that the well at low chiceophyli-st concentrations (<2). However, the performance was lower when initiality levels were <30 NTU. To account in to use for this handhold fluorometer when it earlier bodies.

Keywords: water quality; turbidity; occupste



Chalese, Hamiltoni, H., Eppchinus, D.E., Walker, D., Hugan, M.T. Perkymania of a Hamiltonid. Chiamphyline Flamyanete: Petershili Use to Ropel Algae Morehestra. Hoire 2021, 15, 149. https://doi.org/10.2006/s11004209.

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#### 1. Introduction

In many water bodies, excess nutri of primary producers (e.g., phytoplank directly reduce the aquatic biodiversity controlled successfully with regular water remediation measures [5]. Algae monit aquatic and public health risks and shou

The accurate measurement of chlor monitoring programs in water bodies. The (EPA) has standards for measuring algos chlorophyll-a concentration to estimate (EFA Method 445.0) is time-consuming a lien of field-collected samples [8]. An inchlorophyll-a was proposed in the midminiaturization, never gained widespre handbeld probes have been developed a ment of chlorophyll-a. This methodolog without the need to collect samples for a eters to measure in vivo chlorophyll-a sensitivity, points of calibrations, and the are equipped with integrated turbidity.

Wales 2021, 11, 1800

ples from two urban, manuade lains in Tucson, Artanna, USA (Figure 2). Lakeside Lake (52-becture surface aims at 22°11113° N 100°44788° W) and 50 brothed Lake (53-becture surface area at 22°27030° N 11140° SO, W) both receive moderate received and fishing use and are fed by groundwater pumped to the surface via wells. The well that supports 58/verbell Lake is influenced by treated wintee interveluing in the received officeridependent Sarta Cerus River [23], and Lakesinie Lake does receives springle remeil from

Afterbury Wools, an optioneral subunstream.



Plane 1, (A) Planethree 199 handbold florometer and (B) T31-76 (W florometer





Figure 2: Water samples for the equipmen some collected from Lakesiale Lake (A) and Silverbell Lake (B) in Taxwer, Address (LNA).

In each lake, we callected a 15-1, composite water sample on 5 October 2019. Each composite sample consisted of five 3-L grabs collected from different portions of the lake accessible from the shore. The composite samples were combined into a 5-gallon plastic water container, transported to the laboratory at the University of Arteona, and analyzed writins 24 is. In the laboratory, each composite water sample was transferred into, and homogenized using a reising bucket. One liter of homogenized using a missing bucket. One liter of homogenized using tions such that so we used for taxoramic analyses of the signe. This taxoramic assumptions were then transferred to a 1-L glass beaker and stirred with a rangented with the tor 1 unit prior to pipetting out 1 ml. of the sample. The phytograniston samples some road using an Okyanpus 1842 phase-contrast microscope and Sedgevelck-Rafter (5-R) counting chamber [23]. The 5-R coll was 10 cm<sup>2</sup> Belt stemp and field courts were performed and units (cm<sup>2</sup> calculated [23]).

We tosted the performance of the PlanerSerue probe on water from both lakes at three different digal concentrations, under light and dark conditions, and under four different

Writer 2021, 13, 1409. https://doi.org/10.3390/w13101409

# Langkah-langkah

- Tentukan jurnal yang akan dituju
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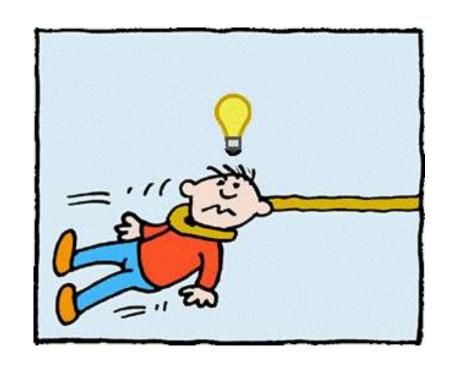
- Penomoran seksi tulisan
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- Akan lebih baik dalam tim (untuk review sebelum submit)

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# Now.... Mengindari Plagiarism

Plagiarism is using someone else's words, art, data, or ideas and passing them off as your own. Cutting and pasting is so easy that many people plagiarize without meaning to.

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# You Might Be Plagiarizing If You...

- Submit someone else's work as your own.
- Cut and paste together phrases, ideas, and sentences from a variety of sources to write an essay
- Copy words, art, or data from someone else's work--published or unpublished--without giving the original author credit.

# Self-Plagiarism

- **Self-plagiarism** happens when you submit your own paper in more than one course without permission of the instructors.
- How is this plagiarism? An important part of academic honesty. Don't cheat yourself.



## Bagaimana menghindari plagiarism

### 1. Quoting

When you quote someone's **exact words** in your paper, put their words in **quotation marks** and tell your reader who said or wrote the words by citing the author.

"We must learn to live together as brothers or perish together as fools" (King, 1964).

or

As Dr. Martin L. King, Jr. said, "We must learn to live together as brothers or perish together as fools" (1964).

## Bagaimana menghindari plagiarism



### 2. Paraphrasing

- Direct quotes are pretty easy to understand. Paraphrasing is more challenging.
- Even when you are using your own words, the *ideas* are still taken from someone else and must be cited.

# How to Paraphrase

Paraphrasing is not simply rearranging or rewording an original passage. Correct paraphrasing consists of:

- 1. Reading the original passage,
- 2. Understanding what the original author is saying,
- 3. Synthesizing (putting together) the information,
- 4. Expressing your understanding of these ideas in your own words and then
- **5. Citing** the original author.

# Paraphrasing Sentences

Original: Giraffes like Acacia leaves and hay, and they can consume 75 pounds of food a day.
Paraphrase: A giraffe can eat up to 75 pounds of Acacia leaves and hay daily.

• Original: Symptoms of influenza include fever and nasal congestion. Paraphrase: A stuffy nose and elevated temperature are signs you may have the flu.

# What About Charts and Graphs?

 Someone else's charts, graphs, statistics, graphics, or any kind of media have to be cited just like someone else's words. If you didn't create it, you need to show who did.



# Bagaimana menghindari plagiarism

### 3. Citing

You can avoid plagiarizing by...



- Citing the author when you use direct quotes.
- Citing the author when you paraphrase her words or ideas.
- Citing the author when you use his **statistics**, **charts**, **graphs**, **media**, **or drawings**.

Apakah semua hal harus disitasi (cited)?

### What Doesn't Need to Be Cited?

 Common knowledge does not need to be cited. Common knowledge includes facts that are known by a lot of people and can be found in many sources. For example, you do not need to cite the following:

> Bapak Ir. Sukarno adalah presiden RI pertama Samarinda adalah ibukota Provinsi Kalimantan Timur Air mengalir dari tempat yang tinggi ke tempat yang rendah

• Your own work. If it's your words, your opinion, your photo, or your graph, of course, you don't need to cite it.

### Common Citation Methods

- **APA**: American Psychological Association. Frequently used in the sciences and social sciences. Consult the *Publication Manual of the American Psychological Association*.
- MLA: Modern Language Association. Frequently used in the humanities, literature, and arts. Consult the MLA Handbook for Writers of Research Papers (for undergraduates) or MLA Style Manual and Guide to Scholarly Publishing (for grad students).
- **Turabian**: Multidisciplinary; frequently used in history. Consult *A Manual for Writers of Term Papers, Theses, and Dissertations* by Kate Turabian.
- **Chicago**: Multidisciplinary; frequently used in history. Consult the *Chicago Manual of Style*.
- **AMA**: American Medical Association. Frequently used in health, medicine and biology. Consult the *American Medical Association Manual of Style*.



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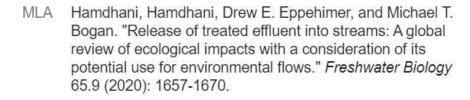
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# Consequences of Plagiarism

- Failing an assignment
- Receiving a lower course grade
- Failing a course
- Getting expelled

### So Remember...

Give credit where credit is due.

Don't use words, ideas, or anything else in your paper that was created by someone else without giving them credit.

Know your citation style guide.

Whether it's MLA, APA, or any other citation method, learn how to use it well.

### Referensi

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