# BUKTI KORESPONDENSI ARTIKEL JURNAL

Judul artikel : Prototyping a Lighting Control System Using LabVIEW with Real-Time High Dynamic Range Images (HDRis) as the Luminance Sensor

Jurnal : Buildings 2022, *12*(5), 650

Penulis : Aris Budhiyanto and Yun-Shang Chiou

| No | Perihal | Tangal |
|---|---|---|
| 1 | Bukti konfirmasi submit artikel | 2 Maret 2022 |
| 2 | Bukti konfirmasi hasil review pertama | 15 Maret 2022 |
| 3 | Bukti konfirmasi reminder review pertama dan permintaan perpanjangan waktu revisi | 28 Maret 2022 – 31 Maret 2022 |
| 4 | Bukti konfirmasi submission withdrawn | 11 April 2022 |
| 5 | Bukti konfirmasi submit artikel (setelah withdrawn) | 20 April 2022 |
| 6 | Bukti permintaan revisi review pertama | 21 April 2022 |
| 7 | Bukti konfirmasi resubmit artikel revisi 1 | 25 April 2022 |
| 8 | Bukti konfirmasi hasil review kedua | 4 Mei 2022 |
| 9 | Bukti konfirmasi resubmit artikel revisi 2 | 9 Mei 2022 |
| 10 | Bukti konfirmasi artikel accepted | 9 Mei 2022 |
| 11 | Bukti permintaan proofread dan finalisasi artikel | 10 Mei 2022 |
| 12 | Bukti konfirmasi resubmit artikel final | 11 Mei 2022 |
| 13 | Bukti konfirmasi artikel published online | 13 Mei 2022 |

**1. Bukti konfirmasi submit artikel**

**2 Maret 2022**

# [Buildings] Manuscript ID: buildings-1642132 - Submission Received

1 pesan

**Editorial Office** <buildings@mdpi.com> 2 Maret 2022 pukul 15.57
Balas Ke: buildings@mdpi.com
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Budhiyanto,

Thank you very much for uploading the following manuscript to the MDPI submission system. One of our editors will be in touch with you soon.

Journal name: Buildings
Manuscript ID: buildings-1642132
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi)
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 2 March 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES

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**2. Bukti konfirmasi hasil review pertama**

**15 Maret 2022**

# [Buildings] Manuscript ID: buildings-1642132 - Major Revisions

1 pesan

**Buildings Editorial Office** <buildings@mdpi.com> 15 Maret 2022 pukul 09.59
Balas Ke: travis.ren@mdpi.com
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>

Dear Mr. Budhiyanto,

Thank you again for your manuscript submission:

Manuscript ID: buildings-1642132
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi)
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 2 March 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES

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Please revise the manuscript according to the referees' comments and upload the revised file within 10 days.

Please use the version of your manuscript found at the above link for your revisions.

(I) Any revisions to the manuscript should be marked up using the “Track Changes” function if you are using MS Word/LaTeX, such that any changes can be easily viewed by the editors and reviewers.
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(III) If you found it impossible to address certain comments in the review reports, please include an explanation in your rebuttal.
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Do not hesitate to contact us if you have any questions regarding the revision of your manuscript. We look forward to hearing from you soon.

Kind regards,
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Journal: Buildings (https://www.mdpi.com/journal/buildings) (ISSN 2075-5309)
Manuscript ID: buildings-1642132
Type: Article

Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi)

Authors: Aris Budhiyanto * , Yun-Shang Chiou

Section: Building Energy, Physics, Environment, and Systems (https://www.mdpi.com/journal/buildings/sections/BEPES)

Abstract: Lighting control systems (LCSs) play important roles in maintaining visual comfort and energy savings in buildings. This paper presents a prototype of an LCS using a LabVIEW environment based on high-dynamic-range images consisting of an IP camera as a luminance sensor and several dimmable LED lamps. A digital multiplex controller is used to dim the lamps sequentially to analyze the contribution of each to room brightness. The prototype is applied to a classroom measurement area with two different layouts and needs. The first is used for writing, reading, and typing, requiring a uniform illuminance of approximately 500-2000 lux, and the second is for drawing and art activities focused on the center of the room, requiring an illuminance of ap-proximately 750-2000 lux for the main task area and 500-2000 lux for the surrounding area. For the first layout, four scattered lamps at 30% brightness can meet the requirement; for the second, a fifth lamp at 30% brightness added to the measurement area center plays an important role, comple-menting the others at 20% brightness, already meeting the required luminance. This developed methodology can be applied to LCSs for rooms with various brightness requirements.

## Authors' Responses to Reviewer's Comments (Reviewer 1)

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| | Yes | Can be improved | Must be improved | Not applicable |
|---|---|---|---|---|
| Does the introduction provide sufficient background and include all relevant references? | ( ) | ( ) | (x) | ( ) |
| Is the research design appropriate? | ( ) | ( ) | (x) | ( ) |
| Are the methods adequately described? | ( ) | ( ) | (x) | ( ) |
| Are the results clearly presented? | ( ) | ( ) | (x) | ( ) |
| Are the conclusions supported by the results? | ( ) | ( ) | (x) | ( ) |

Comments and Suggestions for Authors

The work is interesting since the use of the camera allows the examination of the distribution of luminance in the various surfaces of a space. However, there are some issues with the methodology presented that need to be clarified.

1) Various definitions have been used in the text such as luminosity, brightness, luminance. The appropriate term must be used when needed. For example the term brightness refers to a subjective sense of luminance. Please correct.

2) Table 1 shows various papers related to the use of LCS. Is there a strategy for choosing them? How do they relate to the manuscript? If it is a kind of review it should come to a conclusion which determines the problem that the current work is trying to contribute.

3) What is the power of the LED luminares used?  I assume that they all are equipped with dimmable dmx drivers.

4) The width of target illuminances (for example 500-2000 lx) is too large for a modern controller. How the proposed control algorithm will operate if a specific set point is used (say 500 lx). How long it takes to get a series of images and the creation of an HDR image and how often this is repeated during the operation of the system.

5) Transforming luminance to illuminance needs the reflectance of the targets. These values are not mentioned in the manuscript.

6)  Equation (1). Luminous efficacy (179 lm/W) is not needed since you calibrate the image with measurement.

7) I cannot understand why a comparison between DialuxEvo calculations and measurements is needed. This is useful to validate  the software,  but this is not -of course- the scope of this specific paragraph (I,e, 2.3).

8) Please explain equation (2)

9) Figure 7a. In the lower left corner is mentioned «lamps' brightness level < 0%». Is this correct?

10) Why a step of 10% increase or reduction of lamp's luminance have been chosen ? Is this related to the time that is needed by the system to achieve the set points? For example in Figure 9 , what is the time needed for the first 18 iterations?  This is quite crucial information. For example in Figure 13c it seems that the luminous flux emitted by the lamps is increased in steps. In a real setting this can be very annoying to the users.

11) It seems a bit odd to build a shading system for the Fresnel lamp instead of dimming it directly.

12) I cannot see how the sequence approach of dimming the lamps could be applied in a real space. Please describe.

13) If all lamps dimmed simultaneously ( which represent the most common control strategy) what would be the impact in the energy consumption  and the target illuminance?

14) English have to be corrected


| | |
|---|---|
| Submission Date | 02 March 2022 |
| Date of this review | 14 Mar 2022 20:03:18 |

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Journal: Buildings (https://www.mdpi.com/journal/buildings) (ISSN 2075-5309)
Manuscript ID: buildings-1642132
Type: Article

Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi)

Authors: Aris Budhiyanto * , Yun-Shang Chiou

Section: Building Energy, Physics, Environment, and Systems (https://www.mdpi.com/journal/buildings/sections/BEPES)

Abstract: Lighting control systems (LCSs) play important roles in maintaining visual comfort and energy savings in buildings. This paper presents a prototype of an LCS using a LabVIEW environment based on high-dynamic-range images consisting of an IP camera as a luminance sensor and several dimmable LED lamps. A digital multiplex controller is used to dim the lamps sequentially to analyze the contribution of each to room brightness. The prototype is applied to a classroom measurement area with two different layouts and needs. The first is used for writing, reading, and typing, requiring a uniform illuminance of approximately 500-2000 lux, and the second is for drawing and art activities focused on the center of the room, requiring an illuminance of ap-proximately 750-2000 lux for the main task area and 500-2000 lux for the surrounding area. For the first layout, four scattered lamps at 30% brightness can meet the requirement; for the second, a fifth lamp at 30% brightness added to the measurement area center plays an important role, comple-menting the others at 20% brightness, already meeting the required luminance. This developed methodology can be applied to LCSs for rooms with various brightness requirements.

## Authors' Responses to Reviewer's Comments (Reviewer 2)

## Review Report Form

English language and style
( ) Extensive editing of English language and style required
( ) Moderate English changes required
(x) English language and style are fine/minor spell check required
( ) I don't feel qualified to judge about the English language and style

| | Yes | Can be improved | Must be improved | Not applicable |
|---|---|---|---|---|
| Does the introduction provide sufficient background and include all relevant references? | (x) | ( ) | ( ) | ( ) |
| Is the research design appropriate? | (x) | ( ) | ( ) | ( ) |
| Are the methods adequately described? | ( ) | (x) | ( ) | ( ) |
| Are the results clearly presented? | (x) | ( ) | ( ) | ( ) |
| Are the conclusions supported by the results? | (x) | ( ) | ( ) | ( ) |

Comments and Suggestions for Authors

The paper is very well written and the experimental activity is very well conceived. The results are relevant and interesting. I believe that the paper can be accepted after some minor revisions listed below.

The authors have used an IP camera, but they never explained the meaning of the acronym IP

Page 2, line 53: in this case (after “However”) I believe that reference should be made to “Luminance” in place of “Illuminance”

Page 3, line 97-98: it is not clear to me how the prototype recalls a real classroom. First of all, is it a “closed box” that cannot receive any light other than what is provided by the LED lamps? Or is it open and placed in the middle of a room, thus also receiving light from the room? Why is the lamp installation height 60 cm? Is it

established in proportion to the size of the plan? You should try to be more precise on these issues.

I guess that the Fresnel lamp aims to simulate the role of daylight in a real room: when daylight is available, a shading device must be used and/or the LED lamps must reduce their brightness. Please state it clearly, in the Introduction and on page 6.

Figure 4 (and the corresponding text): I understand from the text that, for every one-minute-long cycle, the camera takes a series of different images with different exposure values, and then integrates them. Is it correct?

Figure 9 (but this also applies to the other measurement sessions): from iteration 12 to 18, and then after iteration 20, all LED lamps keep a constant brightness. Then, in the absence of any other light source, I would expect constant luminance values, while they tend to increase. Can you justify this? The response of a room – in terms of luminance and illuminance – to emitted lighting is almost immediate, “inertial” effects are negligible.

Table 4: here, it would be very useful if you add the energy consumption when no LCS is applied. What happens in this case?

| | |
|---|---|
| Submission Date | 02 March 2022 |
| Date of this review | 10 Mar 2022 14:36:12 |

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## Authors' Responses to Reviewer's Comments (Reviewer 3)

## Review Report Form

English language and style

( ) Extensive editing of English language and style required
( ) Moderate English changes required
(x) English language and style are fine/minor spell check required
( ) I don't feel qualified to judge about the English language and style

| | Yes | Can be improved | Must be improved | Not applicable |
|---|---|---|---|---|
| Does the introduction provide sufficient background and include all relevant references? | ( ) | (x) | ( ) | ( ) |
| Is the research design appropriate? | (x) | ( ) | ( ) | ( ) |
| Are the methods adequately described? | ( ) | ( ) | (x) | ( ) |
| Are the results clearly presented? | ( ) | (x) | ( ) | ( ) |
| Are the conclusions supported by the results? | ( ) | (x) | ( ) | ( ) |

Comments and Suggestions for Authors

This reviewer has identified the following main issues:

* The authors should add more details about their final results and how the proposed approach is validated in the abstract.

* What is the motivation of the proposed work? Research gaps, objectives of the proposed work should be clearly justified.

* The advantage of the proposed method with respect to other methods in the literature should be clarified.

* The author has mentioned the errors obtained by used techniques, it is suggested that the significance of errors listed, must be described in the comparison section.

*Comparasion with recent study and methods would be appreciated.

*An error and statistical analysis of data should be performed.

• I suggest that you add some more results. Some more theoretical Math analysis, equations and a good mathematical model, some simulation results and some comparison of the presented scheme with other schemes. May be some figures for the simulation results or the comparisons.

| | |
|---|---|
| Submission Date | 02 March 2022 |
| Date of this review | 07 Mar 2022 14:48:41 |

**3. Bukti konfirmasi reminder review pertama dan permintaan perpanjangan waktu revisi**
**28 Maret 2022 – 31 Maret 2022**

# [Buildings] Manuscript ID: buildings-1642132 - Revision Reminder

5 pesan

**Buildings Editorial Office** <buildings@mdpi.com> 28 Maret 2022 pukul 12.11
Balas Ke: travis.ren@mdpi.com
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>

Dear Mr. Budhiyanto,

We sent a revision request for the following manuscript on 15 March 2022.

Manuscript ID: buildings-1642132
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi)
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 2 March 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES

May we kindly ask you to update us on the progress of your revisions? If you have finished your revisions, please upload the revised version together with your responses to the reviewers as soon as possible.

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Thank you in advance for your kind cooperation and we look forward to hearing from you soon.

Kind regards,
Mr. Travis Ren
E-Mail: travis.ren@mdpi.com

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**aris budhiyanto** <aris.budhiyanto@gmail.com> 28 Maret 2022 pukul 14.55
Kepada: "Mr. Travis Ren/MDPI" <travis.ren@mdpi.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>

Dear Mr. Travis Ren,

Thank you for the reminder.
We're still working on the revision.

Best regards,
Aris

[Kutipan teks disembunyikan]

---

**Mr. Travis Ren/MDPI** <travis.ren@mdpi.com> 28 Maret 2022 pukul 17.36
Kepada: aris budhiyanto <aris.budhiyanto@gmail.com>
Cc: buildings@mdpi.com, Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Budhiyanto,

Thank you for your timely reply.

Could you please tell us when you will finish the revision and resubmit the manuscript since the due date has passed days ago? If you are not sure yet, would you mind giving us how long do you need for an extension?

We are looking forward to your reply. If you have any questions, please do not hesitate to contact us.

Kind regards,

Mr. Travis Ren
Assistant Editor
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On 2022/3/28 14:55, aris budhiyanto wrote:

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> Thank you for the reminder. We're still working on the revision.
>
> Best regards, Aris
>
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>
> We sent a revision request for the following manuscript on 15 March 2022.
>
> Manuscript ID: buildings-1642132 Type of manuscript: Article Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi) Authors: Aris Budhiyanto *, Yun-Shang Chiou Received: 2 March 2022 E-mails: aris.budhiyanto@gmail.com <mailto:aris.budhiyanto@gmail.com>, ychiou@mail.ntust.edu.tw <mailto:ychiou@mail.ntust.edu.tw> Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
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to hearing from you soon.

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http://www.mdpi.com/journal/buildings

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**aris budhiyanto** <aris.budhiyanto@gmail.com> 30 Maret 2022 pukul 17.28
Kepada: "Mr. Travis Ren/MDPI" <travis.ren@mdpi.com>
Cc: Buildings Editorial Office <buildings@mdpi.com>, Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Travis Ren

We improved the method and still need to repeat the experiment.
We could not give you how long we need to do the revision.
Thank you.

Best regards,
Aris

[Kutipan teks disembunyikan]

---

**Mr. Travis Ren/MDPI** <travis.ren@mdpi.com> 31 Maret 2022 pukul 18.16
Kepada: aris budhiyanto <aris.budhiyanto@gmail.com>
Cc: buildings@mdpi.com, Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Budhiyanto,

Sorry for the delayed reply.

Given that the revision is unfinished yet, we would like to give you one more week to do it, which means the new deadline will be April 7. If you can finish the revision by then, please resubmit your article to the system for further process.

You can resubmit your manuscript and the replies to reviewers at the link below:

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If you can't revise your manuscript by then, we regret to say that withdrawing your manuscript is recommended. You can submit your article to Buildings whenever you finish the revision.

Thank you for your consideration and cooperation. If you have any questions, please do not hesitate to contact us.

Kind regards,

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> Dear Mr. Travis Ren
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> We improved the method and still need to repeat the experiment. We could not give you how long we need to do the revision. Thank you.
>
> Best regards, Aris
>
> Pada tanggal Sen, 28 Mar 2022 pukul 17.36 Mr. Travis Ren/MDPI <travis.ren@mdpi.com <mailto:travis.ren@mdpi.com>> menulis:
>
> Dear Mr. Budhiyanto,
>
> Thank you for your timely reply.
>
> Could you please tell us when you will finish the revision and resubmit the manuscript since the due date has passed days ago? If you are not sure yet, would you mind giving us how long do you need for an extension?
>
> We are looking forward to your reply. If you have any questions, please do not hesitate to contact us.
>
> Kind regards,
>
> Mr. Travis Ren Assistant Editor Email: travis.ren@mdpi.com <mailto:travis.ren@mdpi.com>
>
> Buildings (http://www.mdpi.com/journal/buildings) News: First released impact factor for Buildings is 2.648 Twitter: @Buildings_MDPI Welcome apply for our 2022 Young Investigator Awards and Buildings 2022 Travel Awards : https://www.mdpi.com/journal/buildings/awards
>
> Editor's Choice Articles: https://www.mdpi.com/2075-5309/10/11/204 https://www.mdpi.com/2075-5309/10/10/173

On 2022/3/28 14:55, aris budhiyanto wrote:

CAUTION - EXTERNAL: This email originated from outside of MDPI organisation. BE CAUTIOUS especially to click links or open attachments.

Dear Mr. Travis Ren,

Thank you for the reminder. We're still working on the revision.

Best regards, Aris

Pada tanggal Sen, 28 Mar 2022 pukul 12.11 Buildings Editorial Office <buildings@mdpi.com <mailto:buildings@mdpi.com> <mailto:buildings@mdpi.com <mailto:buildings@mdpi.com>>> menulis:

We sent a revision request for the following manuscript on 15 March 2022.

Manuscript ID: buildings-1642132 Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi) Authors: Aris Budhiyanto *, Yun-Shang Chiou Received: 2 March 2022 E-mails: aris.budhiyanto@gmail.com <mailto:aris.budhiyanto@gmail.com> <mailto:aris.budhiyanto@gmail.com <mailto:aris.budhiyanto@gmail.com>>, ychiou@mail.ntust.edu.tw <mailto:ychiou@mail.ntust.edu.tw> <mailto:ychiou@mail.ntust.edu.tw <mailto:ychiou@mail.ntust.edu.tw>> Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES

May we kindly ask you to update us on the progress of your revisions? If you have finished your revisions, please upload the revised version together with your responses to the reviewers as soon as possible.

You can find your manuscript and review reports at this link:

https://susy.mdpi.com/user/manuscripts/resubmit/2ac3b970e4e250e6ef4ebc88e2a5fa79

Thank you in advance for your kind cooperation and we look forward to hearing from you soon.

Kind regards, Mr. Travis Ren E-Mail: travis.ren@mdpi.com <mailto:travis.ren@mdpi.com> <mailto:travis.ren@mdpi.com <mailto:travis.ren@mdpi.com>>

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http://www.mdpi.com/journal/buildings

**4. Bukti konfirmasi submission withdrawn**

**11 April 2022**

# [Buildings] Manuscript ID: buildings-1642132 - Submission Withdrawn

1 pesan

**Buildings Editorial Office** <buildings@mdpi.com> 11 April 2022 pukul 10.30
Balas Ke: Travis Ren <travis.ren@mdpi.com>, Buildings Editorial Office <buildings@mdpi.com>
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>, Travis Ren <travis.ren@mdpi.com>

Dear Mr. Budhiyanto,

This is to inform you that we take your manuscript as withdrawn:

Manuscript ID: buildings-1642132
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW based on High Dynamic Range Image (HDRi)
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 2 March 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems,
https://www.mdpi.com/journal/buildings/sections/BEPES
https://susy.mdpi.com/user/manuscripts/review_info/2ac3b970e4e250e6ef4ebc88e2a5fa79

Despite a number of attempts, we have not been able to contact you and are therefore not able to process your manuscript further. Hope you could understand.

In case of any inquiries, please feel free to contact us.

Kind regards,
Buildings Editorial Office
buildings@mdpi.com

**5. Bukti konfirmasi submit artikel (setelah withdrawn)**

**20 April 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Submission Received

1 pesan

**Editorial Office** <buildings@mdpi.com> 20 April 2022 pukul 19.55
Balas Ke: buildings@mdpi.com
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Budhiyanto,

Thank you very much for uploading the following manuscript to the MDPI submission system. One of our editors will be in touch with you soon.

Journal name: Buildings
Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 20 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort
https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort

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https://susy.mdpi.com/user/manuscripts/review_info/4cd2ec8a2e3cdc22efcc77e33edd1423

The following points were confirmed during submission:

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If you have any questions, please do not hesitate to contact the Buildings editorial office at buildings@mdpi.com

Kind regards,
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Tel. +41 61 683 77 34
Fax: +41 61 302 89 18

**6. Bukti permintaan revisi review pertama**

**21 April 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Please Provide Replies to Reviewers

5 pesan

**Buildings Editorial Office** <buildings@mdpi.com> 21 April 2022 pukul 10.33
Balas Ke: zerlinda.tian@mdpi.com
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Buildings Editorial Office <buildings@mdpi.com>, ychiou@mail.ntust.edu.tw

Dear Mr. Budhiyanto,

Thank you for your submission for Buildings.

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort

We noticed that there are no replies to the reviewers. Please provide the cover letter with responses to reviewers' comments included. Note that the Editorial Office may send the paper to the same reviewers or invite new reviewers.

Kind regards,
Ms. Zerlinda Tian
Managing Editor
Email: zerlinda.tian@mdpi.com

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---

**aris budhiyanto** <aris.budhiyanto@gmail.com> 21 April 2022 pukul 10.48
Kepada: zerlinda.tian@mdpi.com

Dear Ms. Zerlinda Tian,

Thank you for your email. I can't modify my submission, should I make a new submission with the updated cover letter?

Regards,
Aris

[Kutipan teks disembunyikan]

---

**Ms Zerlinda Tian/MDPI** <zerlinda.tian@mdpi.com> 21 April 2022 pukul 11.02
Kepada: aris budhiyanto <aris.budhiyanto@gmail.com>
Cc: buildings@mdpi.com

Dear Mr. Budhiyanto,

You can send the revised version and the cover letter of replies to reviewers to me through replying this email.

Please do not hesitate to contact me if you have any questions.

Kind Regards,

Zerlinda

On 2022/4/21 10:48, aris budhiyanto wrote:

> CAUTION - EXTERNAL: This email originated from outside of MDPI organisation. BE CAUTIOUS especially to click links or open attachments.
>
> Dear Ms. Zerlinda Tian,
>
> Thank you for your email. I can't modify my submission, should I make a new submission with the updated cover letter?
>
> Regards, Aris
>
> Pada tanggal Kam, 21 Apr 2022 pukul 10.33 Buildings Editorial Office <buildings@mdpi.com <mailto:buildings@mdpi.com>> menulis:
>
> Dear Mr. Budhiyanto,
>
> Thank you for your submission for Buildings.
>
> Manuscript ID: buildings-1713423 Type of manuscript: Article Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor Authors: Aris Budhiyanto *, Yun-Shang Chiou Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES <https://www.mdpi.com/journal/buildings/sections/BEPES> Indoor Environmental Quality and Occupant Comfort https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort
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> <https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort>
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> We noticed that there are no replies to the reviewers. Please provide the cover letter with responses to reviewers' comments included. Note that the Editorial Office may send the paper to the same reviewers or invite new reviewers.
>
> Kind regards, Ms. Zerlinda Tian Managing Editor Email: zerlinda.tian@mdpi.com <mailto:zerlinda.tian@mdpi.com>
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MDPI Branch Office, Beijing
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**aris budhiyanto** <aris.budhiyanto@gmail.com> 21 April 2022 pukul 14.42
Kepada: Ms Zerlinda Tian/MDPI <zerlinda.tian@mdpi.com>
Cc: Buildings Editorial Office <buildings@mdpi.com>

Dear Ms Zerlinda Tian,

We provide the cover letter and the responses to reviewers' comments.
We also add the editing certificate.

Regards,
Aris

[Kutipan teks disembunyikan]

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**Ms Zerlinda Tian/MDPI** <zerlinda.tian@mdpi.com> 24 April 2022 pukul 13.49
Kepada: aris budhiyanto <aris.budhiyanto@gmail.com>
Cc: buildings@mdpi.com

Dear Mr. Budhiyanto,

Thank you for your update.

We will process your revised manuscript soon.

Kind Regards,

Zerlinda

On 2022/4/21 14:42, aris budhiyanto wrote:
> CAUTION - EXTERNAL: This email originated from outside of MDPI organisation. BE CAUTIOUS especially to click links or open attachments.
>
> Dear Ms Zerlinda Tian,
>
> We provide the cover letter and the responses to reviewers' comments. We also add the editing certificate.
>
> Regards, Aris
>
> Pada tanggal Kam, 21 Apr 2022 pukul 11.02 Ms Zerlinda Tian/MDPI <zerlinda.tian@mdpi.com <mailto:zerlinda.tian@mdpi.com>> menulis:
>
> Dear Mr. Budhiyanto,
>
> You can send the revised version and the cover letter of replies to reviewers to me through replying this email.
>
> Please do not hesitate to contact me if you have any questions.
>
> Kind Regards,
>
> Zerlinda
>
> On 2022/4/21 10:48, aris budhiyanto wrote:
> > CAUTION - EXTERNAL: This email originated from outside of MDPI organisation. BE CAUTIOUS especially to click links or open attachments.
> >
> > Dear Ms. Zerlinda Tian,
> >
> > Thank you for your email. I can't modify my submission, should I make a new submission with the updated cover letter?
> >
> > Regards, Aris
> >
> > Pada tanggal Kam, 21 Apr 2022 pukul 10.33 Buildings Editorial Office <buildings@mdpi.com <mailto:buildings@mdpi.com>> <mailto:buildings@mdpi.com <mailto:buildings@mdpi.com>>> menulis:
> >
> > Dear Mr. Budhiyanto,

Thank you for your submission for Buildings.

Manuscript ID: buildings-1713423 Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with
real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou Submitted to section:
Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
<https://www.mdpi.com/journal/buildings/sections/BEPES>
<https://www.mdpi.com/journal/buildings/sections/BEPES
<https://www.mdpi.com/journal/buildings/sections/BEPES>> Indoor
Environmental Quality and Occupant Comfort

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We noticed that there are no replies to the reviewers. Please
provide the cover letter with responses to reviewers' comments
included. Note that the Editorial Office may send the paper to the
same reviewers or invite new reviewers.

Kind regards, Ms. Zerlinda Tian Managing Editor Email: zerlinda.tian@mdpi.com <mailto:zerlinda.tian@mdpi.com>
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**7. Bukti konfirmasi resubmit artikel revisi 1**

**25 April 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Manuscript Resubmitted

1 pesan

**Buildings Editorial Office** <buildings@mdpi.com> 25 April 2022 pukul 18.39
Balas Ke: Buildings Editorial Office <buildings@mdpi.com>
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Budhiyanto,

Thank you very much for resubmitting the modified version of the following manuscript:

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 25 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort
https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort
https://susy.mdpi.com/user/manuscripts/review_info/4cd2ec8a2e3cdc22efcc77e33edd1423

A member of the editorial office will be in touch with you soon regarding progress of the manuscript.

Kind regards,
Ms. Zerlinda Tian
Managing Editor
Email: zerlinda.tian@mdpi.com

---
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E-mail: buildings@mdpi.com
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**7. Bukti konfirmasi resubmit artikel revisi 1**

**25 April 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Manuscript Resubmitted

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**Buildings Editorial Office** <buildings@mdpi.com> 25 April 2022 pukul 18.39
Balas Ke: Buildings Editorial Office <buildings@mdpi.com>
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Budhiyanto,

Thank you very much for resubmitting the modified version of the following manuscript:

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 25 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort
https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort
https://susy.mdpi.com/user/manuscripts/review_info/4cd2ec8a2e3cdc22efcc77e33edd1423

A member of the editorial office will be in touch with you soon regarding progress of the manuscript.

Kind regards,
Ms. Zerlinda Tian
Managing Editor
Email: zerlinda.tian@mdpi.com

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**8. Bukti konfirmasi hasil review kedua**

**4 Mei 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Minor Revisions

1 pesan

**Buildings Editorial Office** <buildings@mdpi.com> 4 Mei 2022 pukul 08.42
Balas Ke: cara.li@mdpi.com
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>

Dear Mr. Budhiyanto,

Thank you again for your manuscript submission:

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 25 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort
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Your manuscript has been reviewed by experts in the field. Please find your manuscript with the referee reports at this link:
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(I) Please revise your manuscript according to the referees' comments and upload the revised file within 5 days.
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(IV) Please provide a short cover letter detailing your changes for the editors' and referees' approval.

If one of the referees has suggested that your manuscript should undergo extensive English revisions, please address this issue during revision. We propose that you use one of the editing services listed at https://www.mdpi.com/authors/english or have your manuscript checked by a native English-speaking colleague.

Please do not hesitate to contact us if you have any questions regarding the revision of your manuscript or if you need more time. We look forward to hearing from you soon.

Kind regards,
Ms. Cara Li
E-Mail: cara.li@mdpi.com

--
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Journal: Buildings (https://www.mdpi.com/journal/buildings) (ISSN 2075-5309)
Manuscript ID: buildings-1713423
Type: Article

Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor

Authors: Aris Budhiyanto * , Yun-Shang Chiou

Section: Building Energy, Physics, Environment, and Systems (https://www.mdpi.com/journal/buildings/sections/BEPES)

Special Issue: Indoor Environmental Quality and Occupant Comfort (https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort)

Abstract: Lighting control systems (LCSs) play important roles in maintaining visual comfort and energy savings in buildings. This paper presents a prototype LCS using a LabVIEW and a digital multiplex controller to brighten the lamps sequentially to provide visual comfort. The prototype is applied to a classroom scaled model with three schemes involving different activities and needs: writing and reading, requiring a uniform luminance of approximately 100 cd/m2, teaching using a whiteboard, requiring an illuminance of approximately 120 cd/m2 for the whiteboard and 60 cd/m2 for the desks, and drawing and art activities focused on the center of the room, requiring an il-luminance of approximately 100 cd/m2 for the center area and 50 cd/m2 for the background area. For each scheme, two conditions are presented: the first is the room assumed as a closed room without windows, and the second is the room with a large window on one side of the wall to enable penetration of daylight into the room. The prototype works well with those schemes and provides different combinations of lamp brightness levels, starting from 10% to 60%, based on the activities and required luminance; and can conserve approximately 73.39–82.38% of energy. The presence of daylight does not always result in more energy savings, as the brightness contrast needs to be considered for visual comfort.

## Author's Reply to the Review Report (Reviewer 1)

Please provide a point-by-point response to the reviewer's comments and either enter it in the box below or upload it as a Word/PDF file. Please write down "Please see the attachment." in the box if you only upload an attachment. An example can be found here (/bundles/mdpisusy/attachments/Author/Example for author to respond reviewer - MDPI.docx?1e53c61ae425d6e8).

* Author's Notes to Reviewer

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(x) English language and style are fine/minor spell check required
( ) I don't feel qualified to judge about the English language and style

| | Yes | Can be improved | Must be improved | Not applicable |
|---|---|---|---|---|
| Does the introduction provide sufficient background and include all relevant references? | (x) | ( ) | ( ) | ( ) |
| Are all the cited references relevant to the research? | ( ) | (x) | ( ) | ( ) |
| Is the research design appropriate? | (x) | ( ) | ( ) | ( ) |
| Are the methods adequately described? | ( ) | (x) | ( ) | ( ) |
| Are the results clearly presented? | ( ) | (x) | ( ) | ( ) |
| Are the conclusions supported by the results? | ( ) | (x) | ( ) | ( ) |

| | |
|---|---|
| Comments and Suggestions for Authors | Authors responded promptly and clearly to all comments. |
| Submission Date | 25 April 2022 |
| Date of this review | 03 May 2022 19:00:34 |

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Reviewers Menu

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Journal: Buildings (https://www.mdpi.com/journal/buildings) (ISSN 2075-5309)
Manuscript ID: buildings-1713423
Type: Article

Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor

Authors: Aris Budhiyanto * , Yun-Shang Chiou

Section: Building Energy, Physics, Environment, and Systems (https://www.mdpi.com/journal/buildings/sections/BEPES)

Special Issue: Indoor Environmental Quality and Occupant Comfort (https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort)

Abstract: Lighting control systems (LCSs) play important roles in maintaining visual comfort and energy savings in buildings. This paper presents a prototype LCS using a LabVIEW and a digital multiplex controller to brighten the lamps sequentially to provide visual comfort. The prototype is applied to a classroom scaled model with three schemes involving different activities and needs: writing and reading, requiring a uniform luminance of approximately 100 cd/m2, teaching using a whiteboard, requiring an illuminance of approximately 120 cd/m2 for the whiteboard and 60 cd/m2 for the desks, and drawing and art activities focused on the center of the room, requiring an il-luminance of approximately 100 cd/m2 for the center area and 50 cd/m2 for the background area. For each scheme, two conditions are presented: the first is the room assumed as a closed room without windows, and the second is the room with a large window on one side of the wall to enable penetration of daylight into the room. The prototype works well with those schemes and provides different combinations of lamp brightness levels, starting from 10% to 60%, based on the activities and required luminance; and can conserve approximately 73.39–82.38% of energy. The presence of daylight does not always result in more energy savings, as the brightness contrast needs to be considered for visual comfort.

## Author's Reply to the Review Report (Reviewer 2)

Please provide a point-by-point response to the reviewer's comments and either enter it in the box below or upload it as a Word/PDF file. Please write down "Please see the attachment." in the box if you only upload an attachment. An example can be found here (/bundles/mdpisusy/attachments/Author/Example for author to respond reviewer - MDPI.docx?1e53c61ae425d6e8).

* Author's Notes to Reviewer

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## Review Report Form

English language and style

( ) Extensive editing of English language and style required
( ) Moderate English changes required
(x) English language and style are fine/minor spell check required
( ) I don't feel qualified to judge about the English language and style

| | Yes | Can be improved | Must be improved | Not applicable |
|---|---|---|---|---|
| Does the introduction provide sufficient background and include all relevant references? | (x) | ( ) | ( ) | ( ) |
| Are all the cited references relevant to the research? | (x) | ( ) | ( ) | ( ) |
| Is the research design appropriate? | (x) | ( ) | ( ) | ( ) |
| Are the methods adequately described? | (x) | ( ) | ( ) | ( ) |
| Are the results clearly presented? | (x) | ( ) | ( ) | ( ) |
| Are the conclusions supported by the results? | (x) | ( ) | ( ) | ( ) |

| | |
|---|---|
| Comments and Suggestions for Authors | This is a resubmission, the authors made all the observations requested by the reviewers. I am in favor of its effective publication |
| Submission Date | 25 April 2022 |
| Date of this review | 02 May 2022 15:48:08 |

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Journal: Buildings (https://www.mdpi.com/journal/buildings) (ISSN 2075-5309)
Manuscript ID: buildings-1713423
Type: Article

Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor

Authors: Aris Budhiyanto * , Yun-Shang Chiou

Section: Building Energy, Physics, Environment, and Systems (https://www.mdpi.com/journal/buildings/sections/BEPES)

Special Issue: Indoor Environmental Quality and Occupant Comfort (https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort)

Abstract: Lighting control systems (LCSs) play important roles in maintaining visual comfort and energy savings in buildings. This paper presents a prototype LCS using a LabVIEW and a digital multiplex controller to brighten the lamps sequentially to provide visual comfort. The prototype is applied to a classroom scaled model with three schemes involving different activities and needs: writing and reading, requiring a uniform luminance of approximately 100 cd/m2, teaching using a whiteboard, requiring an illuminance of approximately 120 cd/m2 for the whiteboard and 60 cd/m2 for the desks, and drawing and art activities focused on the center of the room, requiring an il-luminance of approximately 100 cd/m2 for the center area and 50 cd/m2 for the background area. For each scheme, two conditions are presented: the first is the room assumed as a closed room without windows, and the second is the room with a large window on one side of the wall to enable penetration of daylight into the room. The prototype works well with those schemes and provides different combinations of lamp brightness levels, starting from 10% to 60%, based on the activities and required luminance; and can conserve approximately 73.39–82.38% of energy. The presence of daylight does not always result in more energy savings, as the brightness contrast needs to be considered for visual comfort.

## Author's Reply to the Review Report (Reviewer 3)

Please provide a point-by-point response to the reviewer's comments and either enter it in the box below or upload it as a Word/PDF file. Please write down "Please see the attachment." in the box if you only upload an attachment. An example can be found here (/bundles/mdpisusy/attachments/Author/Example for author to respond reviewer - MDPI.docx?1e53c61ae425d6e8).

* Author's Notes to Reviewer

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## Review Report Form

English language and style

( ) Extensive editing of English language and style required
( ) Moderate English changes required
(x) English language and style are fine/minor spell check required
( ) I don't feel qualified to judge about the English language and style

| | Yes | Can be improved | Must be improved | Not applicable |
|---|---|---|---|---|
| Does the introduction provide sufficient background and include all relevant references? | (x) | ( ) | ( ) | ( ) |
| Are all the cited references relevant to the research? | (x) | ( ) | ( ) | ( ) |
| Is the research design appropriate? | (x) | ( ) | ( ) | ( ) |
| Are the methods adequately described? | (x) | ( ) | ( ) | ( ) |
| Are the results clearly presented? | (x) | ( ) | ( ) | ( ) |
| Are the conclusions supported by the results? | ( ) | (x) | ( ) | ( ) |

Comments and Suggestions for Authors

Dear authors, I believe that the paper is valuable, I only have a series of minor issues to underline.

In the abstract, I suggest that you replace "The prototype works well with those schemes" with "The prototype works well with both schemes", and "can conserve approximately 73.39–82.38% of energy" with "can save around 73-83% of electricity for interior lighting" .

I believe that one relevant piece of information is missing (or maybe I missed it): is the power of the LED lamps proportional to what would be installed in a real classroom? Actually, your test box is scaled by about 4 times if compared to a real classroom, hence I expect that the same applies to the installed power, otherwise the lighting conditions would not be realistic.

Table 3: I suggest that you provide values in W, not in Wh. If you use Wh, you should also indicate the time frame considered to integrate the electricity consumption. It is quite strange that the brightness level does not change exactly proportionally to the power consumption. Any comments for that?

In the Conclusions, Point 3 should specify what "base case" you are considering as a reference. I suggest that you separate points 4 and 5, and articulate them as normal text (no bullet point). Point 5, which is the main finding of the paper, needs more discussion.

Submission Date 25 April 2022

Date of this review 27 Apr 2022 13:48:45

**9. Bukti konfirmasi resubmit artikel revisi 2**

**9 Mei 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Revised Version Received

1 pesan

**Buildings Editorial Office** <buildings@mdpi.com> 9 Mei 2022 pukul 11.49
Balas Ke: cara.li@mdpi.com
Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>

Dear Mr. Budhiyanto,

Thank you very much for providing the revised version of your paper:

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 25 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort
https://susy.mdpi.com/user/manuscripts/review_info/4cd2ec8a2e3cdc22efcc77e33edd1423

We will continue processing your paper and will keep you informed about the status of your submission.

Kind regards,
Ms. Cara Li
E-Mail: cara.li@mdpi.com

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E-Mail: buildings@mdpi.com
http://www.mdpi.com/journal/buildings

**10. Bukti konfirmasi artikel accepted**

**9 Mei 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Accepted for Publication

1 pesan

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Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>, Cara Li <cara.li@mdpi.com>

Dear Mr. Budhiyanto,

Congratulations on the acceptance of your manuscript, and thank you for your interest in submitting your work to Buildings:

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 25 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort
https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort
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We will now edit and finalize your paper, which will then be returned to you for your approval. Within the next couple of days, an invoice concerning the article processing charge (APC) for publication in this open access journal will be sent by email from the Editorial Office in Basel, Switzerland.

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Kind regards,
David Arditi
Editor-in-Chief

**11.Bukti permintaan proofread dan finalisasi artikel**

**10 Mei 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Final Proofreading Before Publication

2 pesan

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Balas Ke: cara.li@mdpi.com
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Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>, Buildings Editorial Office <buildings@mdpi.com>, cara.li@mdpi.com

Dear Mr. Budhiyanto,

We invite you to proofread your manuscript to ensure that this is the final version that can be published and confirm that you will require no further changes from hereon:

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 25 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
Indoor Environmental Quality and Occupant Comfort
https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort

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Kind regards,
Ms. Cara Li
E-Mail: cara.li@mdpi.com

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**aris budhiyanto** <aris.budhiyanto@gmail.com> 11 Mei 2022 pukul 09.38
Kepada: cara.li@mdpi.com

Dear Ms. Cara Li,

We are sorry, we need more time to do the final proofreading since yesterday we faced some covid cases that made us unable to work.
We will upload the final proofed version today.
Thank you.

Regards,
Aris

[Kutipan teks disembunyikan]

**12.Bukti konfirmasi resubmit artikel final**

**11 Mei 2022**

# [Buildings] Manuscript ID: buildings-1713423 - Manuscript Resubmitted

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Kepada: Aris Budhiyanto <aris.budhiyanto@gmail.com>
Cc: Yun-Shang Chiou <ychiou@mail.ntust.edu.tw>

Dear Mr. Budhiyanto,

Thank you very much for resubmitting the modified version of the following manuscript:

Manuscript ID: buildings-1713423
Type of manuscript: Article
Title: Prototyping a Lighting Control System using LabVIEW with real-time High Dynamic Range Images (HDRis) as the luminance sensor
Authors: Aris Budhiyanto *, Yun-Shang Chiou
Received: 25 April 2022
E-mails: aris.budhiyanto@gmail.com, ychiou@mail.ntust.edu.tw
Submitted to section: Building Energy, Physics, Environment, and Systems, https://www.mdpi.com/journal/buildings/sections/BEPES
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https://www.mdpi.com/journal/buildings/special_issues/Environmental_Comfort
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A member of the editorial office will be in touch with you soon regarding progress of the manuscript.

Kind regards,
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Office: St. Alban-Anlage 66, CH-4052 Basel
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Fax +41 61 302 89 18 (office)
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**13.Bukti konfirmasi artikel published online**

**13 Mei 2022**

# [Buildings] Manuscript ID: buildings-1713423; doi: 10.3390/buildings12050650. Paper has been published.

1 pesan

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Cc: billing@mdpi.com, website@mdpi.com, buildings@mdpi.com, lyne.liao@mdpi.com, cara.li@mdpi.com

Dear Authors,

We are pleased to inform you that your article "Prototyping a Lighting Control System Using LabVIEW with Real-Time High Dynamic Range Images (HDRis) as the Luminance Sensor" has been published in Buildings as part of the Special Issue Indoor Environmental Quality and Occupant Comfort and is available online:

Abstract: https://www.mdpi.com/2075-5309/12/5/650
PDF Version: https://www.mdpi.com/2075-5309/12/5/650/pdf
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Kind regards,

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