



Bebeh Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Your Physics Education article aaefa7 has been published

1 message

ped@iop.org <ped@iop.org>
To: bebehwahid102@uinsgd.ac.id

Wed, Dec 5, 2018 at 4:54 PM

Re: "Impulse measurement and analysis using a smartphone accelerometer" by Nuryadin *et al*

Dear Dr Nuryadin,

We are pleased to tell you that we have published your article on IOPscience with this DOI:

<https://dx.doi.org/10.1088/1361-6552/aaefa7>

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Best regards,

Andrew Rego
Production Editor
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ped@iop.org

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Bebah Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Your Physics Education article aaefa7 - Proof corrections received

1 message

ped@iop.org <ped@iop.org>
To: bebehwahid102@uinsgd.ac.id

Tue, Nov 27, 2018 at 10:36 AM

Dear Dr Nuryadin

Re: "Impulse measurement and analysis using a smartphone accelerometer" by Nuryadin et al

Thank you for submitting your proof corrections. We will next contact you when your article has been published online, unless we have any further queries or if you have requested a second proof.

Yours sincerely

Andrew Rego
Production Editor
Physics Education
ped@iop.org



Bebah Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Your Physics Education article aaefa7 - Proof for review

1 message

ped@iop.org <ped@iop.org>
To: bebehwahid102@uinsgd.ac.id

Thu, Nov 22, 2018 at 3:30 PM

Dear Dr Nuryadin

Re: "Impulse measurement and analysis using a smartphone accelerometer" by Nuryadin *et al*

Your proof is now available to review; please download it using the link below.

[Link to proof](#)

- Please follow the instructions on the first page of the proof and supply an annotated PDF clearly indicating your corrections.
- Your corrected proof, and any other files such as corrected figures, should be uploaded using the same link above.
- **After uploading, please ensure that you click the 'send corrections' button.** If you do not press this button we will not be notified that you have sent corrections, and publication of your article will be delayed.

This is your last opportunity to make corrections to your article; please read the proof carefully and be sure to answer any queries. Please let us know of any corrections by 27 November 2018.

Please contact us if we can be of any assistance. We look forward to receiving your corrections soon.

Yours sincerely

Andrew Rego
Production Editor
Physics Education
ped@iop.org



Bebeh Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Your Paper has now been accepted for publication

1 message

Physics Education <onbehalf@manuscriptcentral.com>

Fri, Nov 9, 2018 at 7:26 PM

Reply-To: ped@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, hindawanilham33@gmail.com

Dear Dr Nuryadin,

Re: "Impulse measurement and analysis using smartphone accelerometer" by Nuryadin, Bebeh; Hindawan, Ilham
Article reference: PED-101617.R1

We are pleased to tell you that we have now formally accepted your Paper. We have everything we need to proceed to publish your Paper in Physics Education.

If you have chosen to publish your Paper on an open access basis, or if there are other charges related to your Paper you will receive an email with details on how to pay within the next few days.

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Thank you for choosing to publish in Physics Education. We look forward to publishing your Paper.

Yours sincerely

Isabella Formisano

On behalf of the IOP peer-review team:
Jessica Thorn - Editor
Dr Stephanie White – Associate Editor
Isabella Formisano – Editorial Assistant
Iain Trotter – Publisher

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Letter reference: DRWA03



Bebeh Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Our decision on your Paper: PED-101617.R1

1 message

Physics Education <onbehalf@manuscriptcentral.com>

Tue, Nov 6, 2018 at 3:48 PM

Reply-To: ped@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, hindawanilham33@gmail.com

Dear Dr Nuryadin,

Re: "Impulse Measurement and Analysis using Smartphone Accelerometer" by Nuryadin, Bebeh; Hindawan, Ilham
Article reference: PED-101617.R1

We are pleased to tell you that we have provisionally accepted your Paper for publication in Physics Education. Any further comments from the referees can be found below and/or attached to this message. Our editorial team will now perform some final checks to ensure that we have everything we need to publish your Paper. These checks will enable our production team to publish your Paper as quickly and efficiently as possible. Once this is confirmed, your article will be formally accepted and we will inform you of this via email.

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Thank you for choosing to publish in Physics Education. We look forward to publishing your Paper.

Yours sincerely

Stephanie White

On behalf of the IOP peer-review team:
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Iain Trotter – Publisher

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REFeree REPORT(S):

Referee: 1

COMMENTS TO THE AUTHOR(S)

Thank you for making all of the revisions I suggested. I believe the article is more accessible now. I think it will be a useful article for many physics teachers.

Letter reference: ERWSA01



Bebeh Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

A message from Phys. Educ. concerning article: PED-101617.R1

1 message

Physics Education <onbehalf@manuscriptcentral.com>

Thu, Oct 18, 2018 at 4:24 PM

Reply-To: ped@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com

Dear Dr Nuryadin,

Re: "Impulse Measurement and Analysis using Smartphone Accelerometer" by Nuryadin, Bebeh; Hindawan, Ilham
Article reference: PED-101617.R1

Thank you for your recent revision. We notice that participants appear in Figures 2 and 6. As specified in our guidelines here: <https://publishingsupport.iopscience.iop.org/questions/participant-consent/>, we will need informed consent from your participants that they are aware of intended publication.

For Figure 2, consent will need to be obtained from the participant's parent or legal guardian.

Authors are required to attest that consent has been obtained and that any identifiable individuals are aware of intended publication.

Please be aware that, in order to protect participant anonymity, you do not need to send proof of this consent to us at IOP Publishing; you only need to let us know that you have their consent.

A statement confirming that consent was obtained for all identifiable individuals should also appear in the manuscript (usually in the Acknowledgements section).

In light of the above, please could you confirm that you have the persons' / parental or guardian's consent to appear in your manuscript? (Please do not send us this proof!)

Once you have obtained consent, please upload your amended manuscript files (both PDF and source files) with the acknowledgment below included in your Paper:

"The authors have confirmed that any identifiable participants in this study have given their consent for publication"

Thank you, we look forward to hearing from you again soon on this matter.

Yours sincerely

Isabella Formisano

On behalf of the IOP peer-review team:
Jessica Thorn - Editor
Dr Stephanie White – Associate Editor
Isabella Formisano – Editorial Assistant
Iain Trotter – Publisher

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Letter reference: HAA01



Bebeh Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Your revised submission to Phys. Educ.: PED-101617.R1

1 message

Physics Education <onbehalf@manuscriptcentral.com>

Tue, Oct 16, 2018 at 1:05 PM

Reply-To: ped@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, hindawanilham33@gmail.com

Dear Dr Nuryadin,

Re: "Impulse Measurement and Analysis using Smartphone Accelerometer" by Nuryadin, Bebeh; Hindawan, Ilham
Article reference: PED-101617.R1

Thank you for submitting your revised Paper, which will be considered for publication in Physics Education. The reference number for your article is PED-101617.R1. Please quote this number in all future correspondence regarding this manuscript.

As the submitting author, you can follow the progress of your article by checking your Author Centre after logging in to <https://mc04.manuscriptcentral.com/ped-iop> Once you are signed in you will be able to track the progress of your article, read the referee reports and send us your electronic files.

Please do not hesitate to contact us if we can be of assistance to you.

Yours sincerely

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Isabella Formisano – Editorial Assistant
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Letter reference: SAu07



Bebeh Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Our initial decision on your article: PED-101617

1 message

Physics Education <onbehalf@manuscriptcentral.com>

Mon, Oct 8, 2018 at 5:33 PM

Reply-To: ped@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com

Cc: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, hindawanilham33@gmail.com

Dear Dr Nuryadin,

Re: "Impulse Measurement and Analysis using Smartphone Accelerometer" by Nuryadin, Bebeh; Hindawan, Ilham
Article reference: PED-101617

We have now received the referee report(s) on your Paper, which is being considered by Physics Education.

The referee(s) have recommended that you make substantial changes to your article. The referee report(s) can be found below and/or attached to this message. You can also access the reports at your Author Centre, at <https://mc04.manuscriptcentral.com/ped-iop>

Please consider the referee comments and amend your article according to the recommendations. You should then send us a clean final version of your manuscript. Please also send (as separate files) point-by-point replies to the referee comments and either a list of changes you have made or an additional copy of your manuscript with the changes highlighted. This will aid our referees in reviewing your revised article. Please upload the final version and electronic source files to your Author Centre by 05-Nov-2018.

If we do not receive your article by this date, it may be treated as a new submission, so please let us know if you will need more time.

Please note that if the referee(s) and Editorial Board are not satisfied with the changes to your manuscript, it may still be rejected.

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Full guidelines, including technical specifications, submission details and examples, are available here: <http://iopscience.iop.org/1367-2630/videoabstracts>

We look forward to hearing from you soon.

Yours sincerely

Stephanie White

On behalf of the IOP peer-review team:
Jessica Thorn - Editor
Dr Stephanie White – Associate Editor
Isabella Formisano – Editorial Assistant
Iain Trotter – Publisher

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REFEREE REPORT(S):

Referee: 1

COMMENTS TO THE AUTHOR(S)

The article will be especially useful for teachers who have limited resources, but whose students own smart phones. The experiments covered in the article would be interesting to students and would provide them with an inexpensive, yet rigorous exploration of impulse.

The authors talk about using the smartphone accelerometer, but don't give details about the specific app they used. I think the introduction of the article should be expanded to include information about using the accelerometer for those who may be unfamiliar with smartphone accelerometers.

In each of the three experiments, data is given and results are reported, but the calculations that would help the reader to see specifically how the results were obtained are missing. I believe there should be more detail here. For example, in Figure 3 the graph shows a sharp spike from -10 m/s^2 to 45 m/s^2 . It settles down to 0 m/s^2 in 0.08 s rather than staying at 45 m/s^2 for 0.08 s as the text suggests. But with no calculations I can't tell here what the authors' assumptions were. The same is true for Figure 5 where there is a positive acceleration over 0.04 s that has a maximum of 35 m/s^2 . It is unclear how this maximum acceleration was used in the calculation. There is also no mass given for the car that receives the impulse from the collision. In the third experiment (punching the pillow) there is the same lack of detail in getting from the graph to the results. Also, in this experiment it was assumed by the authors that the mass of a hand is 5 kg . That seems awfully high unless they meant the connected arm as well. That should be clarified.

Finally, in the first experiment (dropping the phone onto the sand) the authors said the reaction force was "quite large." I think a better phrasing would be "large enough to produce a much greater acceleration than the free fall acceleration."

Letter reference: DSMa01



Bebeh Wahid Nuryadin <bebehwahid102@uinsgd.ac.id>

Your submission to Phys. Educ.: PED-101617

1 message

Physics Education <onbehalf@manuscriptcentral.com>

Sat, Sep 22, 2018 at 5:15 AM

Reply-To: ped@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, hindawanilham33@gmail.com

Dear Dr Nuryadin,

Re: "Impulse Measurement and Analysis using Smartphone Accelerometer" by Nuryadin, Bebeh; Hindawan, Ilham
Article reference: PED-101617

Thank you for submitting your Paper, which will be considered for publication in Physics Education. The reference number for your article is PED-101617. Please quote this number in all future correspondence regarding this manuscript.

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Letter reference: SAu05