### BUKTI KORESPONDENSI ARTIKEL JURNAL INTERNASIONAL BEREPUTASI

Judul artikel : Cytochrome b-245 alpha chain gene variants and arterial function in indonesian

short stature children

Nama Jurnal: Cardiolology Research 2021;12(6):351-57

Penulis : Maharani N, Soetadji A, Utari A, Naka I, Ohashi J, Mexitalia M

Corresponding author: Maria Mexitalia





Original Article

Cardiol Res. 2021;12(6):351-357

# Cytochrome b-245 Alpha Chain Gene Variants and Arterial Function in Indonesian Short Stature Children

Nani Maharani<sup>a, b</sup>, Anindita Soetadji<sup>c</sup>, Agustini Utari<sup>a, c</sup>, Izumi Naka<sup>d</sup>, Jun Ohashi<sup>d</sup>, Maria Mexitalia<sup>c, e</sup>

Manuscript submitted July 31, 2021, accepted October 5, 2021 Published online November 11, 2021

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<sup>d</sup>Department of Biological Sciences, Graduate School of Science, The University of Tokyo, Tokyo, Japan

<sup>c</sup>Corresponding Author: Maria Mexitalia, Department of Pediatrics, Faculty of Medicine, Universitas Diponegoro/Dr Kariadi Hospital, Jalan Dr. Soetomo No. 16, Semarang 50244, Indonesia. Email: dr.mexitalia@gmail.com

doi: https://doi.org/10.14740/cr1314

dant in the body determined the health status of our cardiovascular system.

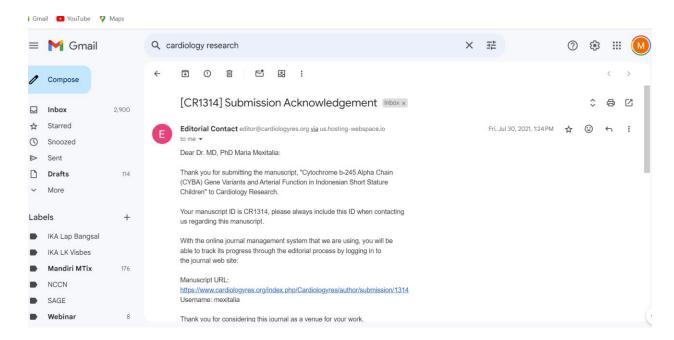
Cytochrome b-245 alpha chain (CYBA) gene is located on chromosome 16q24. It encodes p22phox, one of the electron transfer elements of nicotinamide adenine dinucleotide phosphate (NADPH) oxidase. The expression of p22phox in VSMCs is a critical component for the formation of reactive oxygen species [10]. Some variants of the CYBA gene have been reported, such as C242T, A640G, -930A>G, \*49A>G, -675A/T and C549T. Among those, four single nucleotide variants (SNVs), C242T (rs4673), A640G (rs1049255), -930A>G (rs9932581) and \*49A>G (rs7195830), have been most extensively investigated in the association studies of coronary artery disease (CAD) [11].

There are conflicting results on the role of these variants in

# Bukti Konfirmasi Submit Artikel

No	Perihal	Tanggal
1.	Bukti submit diterima	30-07-2021
2.	Bukti permintaan reviewer	27-08-2021
3.	Bukti jawaban usulan reviewer	27-08-2021
4.	Bukti ucapan terimakasih untuk usulan reviewer	28-08-2021
5.	Bukti komentar reviewer 1	09-09-2021
6.	Bukti komentar reviewer 2	21-09-2021
7.	Bukti kirim revisi manuskrip	17-09-2021
8.	Bukti revisi diterima	18-09-2021
9.	Bukti Editorial Decision accepted	05-11-2021 resend 04-11-2021
10.	Bukti permintaan payment biaya publikasi	16-10-2021
11.	Bukti mengingatkan payment publikasi	04-11-2021
12.	Bukti pengiriman payment	04-11-2021
13.	Bukti proof reading	09-11-2021
14.	Bukti revisi proof reading	12-11-2021
15.	Bukti komunikasi authors tentang proof reading	12-11-2021
16.	Bukti approval authors untuk proof reading	12-11-2021
17.	Bukti pemberitahuan artikel terbit online	12-11-2021

#### 1. Tanggal 30 Julli 2021





Maria Mexitalia <dr.mexitalia@gmail.com>

#### [CR1314] Submission Acknowledgement

7 messages

Editorial Contact <editor@cardiologyres.org> To: "MD, PhD Maria Mexitalia" <dr.mexitalia@gmail.com> Fri, Jul 30, 2021 at 1:24 PM

Dear Dr. MD, PhD Maria Mexitalia:

Thank you for submitting the manuscript, "Cytochrome b-245 Alpha Chain (CYBA) Gene Variants and Arterial Function in Indonesian Short Stature Children" to Cardiology Research.

Your manuscript ID is CR1314, please always include this ID when contacting us regarding this manuscript.

With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

Manuscript URL:

https://www.cardiologyres.org/index.php/Cardiologyres/author/submission/1314

Username: mexitalia

Thank you for considering this journal as a venue for your work. Sincerely,

Editorial Assistant

Cardiology Research

editor@cardiologyres.org
\*\*\*Follow us on twitter @Cardiologyres to obtain publishing updates

### 2. Tanggal 27 Agustus 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

## [CR1314] Please recommend reviewers for your manuscript

3 messages

Cardiol Res Editor <editor@cardiologyres.org>
To: Maria Mexitalia <dr.mexitalia@gmail.com>

Fri, Aug 27, 2021 at 7:40 AM

Dear Dr. Maria Mexitalia,

As we have not collected enough review comments for your manuscript CR1314 "Cytochrome b-245 Alpha Chain (CYBA) Gene Variants and Arterial Function in Indonesian Short Stature Children", would you please help recommend some reviewers for it?

Thank you very much and look forward to hearing from you soon.

Best regards,

Sofia Wan, MSc Editorial Assistant

-----

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#### 3. Tanggal 27 Agustus 2021

Maria Mexitalia <dr.mexitalia@gmail.com>

Fri, Aug 27, 2021 at 5:32 PM

To: Cardiol Res Editor <editor@cardiologyres.org>

Bcc: Maria Mexitalia <dr.mexitalia@gmail.com>, Nani Maharani <maharani.nani@fk.undip.ac.id>, Titut Dr SpA <agustiniutari@gmail.com>, "Anindita Dr SpA(K)" <anin.anindita@gmail.com>

Dear Ms. Sofia Wan, MSc Editorial Assistant Cardiology Research

Thank you for email.

Due to the review of our manuscript CR1314 "Cytochrome b-245 Alpha Chain (CYBA) Gene Variants and Arterial Function in Indonesian Short Stature Children", we would like to suggest some reviewers:

Prof. Ichiro Hisatome, MD, PhD
 Tottori University Japan

Email: hisatome@tottori\_u.ac.jp

2. Prof. Mulyadi M. Djer, MD, PhD

Pediatrician, Consultant of Pediatric Cardiology Division of Pediatric Cardiology, Department of Child Health Faculty of Medicine, Universitas Indonesia

Dr. Ciptomangunkusumo Hospital

Jakarta, Indonesia

Email: muldjer@yahoo.com

3. Lanny Christine Gultom, MD, PhD

Pediatrician, Consultant of Nutrition and Metabolic Disease

Department of Pediatric Fatmawati Hospital Jakarta , Indonesia

Email: lannygultom@yahoo.com

Thank you very much for your kind attention and help.

Best wishes

https://mail.google.com/mail/u/0/?ik=03be71da20&view=pt&search=all&permthid=thread-f:1709204910037919193&simpl=msq-f:1709204910037...

12/06/24, 21.30

Gmail - [CR1314] Please recommend reviewers for your manuscript

Correspondence author

Maria Mexitalia, MD, PhD Department of Pediatric Faculty of Medicine Diponegoro University / Dr. Kariadi Hospital Semarang Indonesia

#### 4. Tanggal 28 Agustus 2021

Cardiol Res Editor <editor@cardiologyres.org>
To: Maria Mexitalia <dr.mexitalia@gmail.com>

Sat, Aug 28, 2021 at 7:59 AM

Dear Dr. Mexitalia,

Thank you very much for the reviewer list.

Best regards,

Sofia Wan, MSc Editorial Assistant [Quoted text hidden]

#### 5. Tanggal 9 September 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

### [CR1314] Editorial Decision (Revisions Required)

7 messages

CR Editor <editor@cardiologyres.org>
To: "MD, PhD Maria Mexitalia" <dr.mexitalia@gmail.com>

Thu, Sep 9, 2021 at 7:21 PM

Dear Dr. Maria Mexitalia,

I would like to inform you that your manuscript entitled "Cytochrome b-245 Alpha Chain (CYBA) Gene Variants and Arterial Function in Indonesian Short Stature Children", after editorial review, has not been found suitable to be published in Cardiology Research in its current form. However, if you are able to address the editor and reviewers' comments, we would be willing to re-consider a revised version of your manuscript.

Please return your revised manuscript with changes highlighted to <a href="mailto:editor@cardiologyres.org">editor@cardiologyres.org</a> within 2 weeks, along with a cover letter in which you need to reply the reviewer's comments point-by-point, and indicate any additional changes you have made. Please refer to the attached (combined) review version of manuscript to revise.

If for some reviewer's comments, you disagree, or are unable to make changes, please give your rebuttal or your reasonable explanations.

Please note that, when you revise your manuscript, you should still follow the basic submission guidelines, especially the tables, figures and references should be correctly numbered and cited in the text.

Please be advised that revised manuscript is subject to review and may not be guaranteed acceptance.

Best Wishes

John Somberg, MD Editor-in-Chief

Cardiology Research (CR)

2 attachments



review comments.docx

15K



### 6. Tanggal 17 September 2021

Maria Mexitalia <dr.mexitalia@gmail.com>

Fri, Sep 17, 2021 at 6:11 PM

To: CR Editor <editor@cardiologyres.org>

Bcc: Maria Mexitalia <dr.mexitalia@gmail.com>, Nani Maharani <maharani.nani@fk.undip.ac.id>, Titut Dr SpA <agustiniutari@gmail.com>

Dear

John Somberg, MD

Editor-in-Chief of Cardiology Research

Thank you very much for the opportunity for revision of our manuscript entitled "Cytochrome b-245 Alpha Chain (CYBA) Gene Variants and Arterial Function in Indonesian Short Stature Children".

Herewith we send:

- 1. Cover letter with replying reviewer's comment
- 2. Combined review version of the manuscript.

We hope these meet the requirement of the revision and be able to publish in Cardiology Research.

Best wishes

Maria Mexitalia, MD, PhD Correspondence author

https://mail.google.com/mail/u/0/?ik=03be71da20&view=pt&search=all&permthid=thread-f:1710426788846489384&simpl=msg-f:1710426788846...

12/06/24, 21.31

Gmail - [CR1314] Editorial Decision (Revisions Required)

[Quoted text hidden]

#### 2 attachments



cr1314\_Cover Letter.docx

16K



113	Subjects	
114		
115	Subjects were short stature children (height for age score $\leq$ -2 SD) aged 9-12 years old in	
116	grades 3-5 elementary in Brebes, Central Java, Indonesia. Subjects with obesity and/or diabetes	
117	mellitus, and congenital diseases are known to cause short stature and/or affect the aortic	
118	elasticity such as Turner syndrome, Down syndrome, Noonan syndrome, Marfan syndrome,	
119	William's syndrome, congenital heart disease were excluded. A total of 142 samples were	
120	collected for their DNA. In all of the subjects, the data on age, sex, and body mass index (BMI)	
121	were taken.	
122		
267	Second, the parameter of arterial functions might be measured too early to show a disturbance	
268	in the cardiovascular system. A cohort study on the same population would be needed to show	
269	whether or not the examination on CYBA gene variant brings advantage in predicting	
270	cardiovascular morbidity in those children. Thirdly, we did not do IGF-1 level and hormonal	
271	examination, as well as parental height measurement, which could become confounding	
272	factors. Finally, compared to other populations, the G allele frequency in -930A>G in our study	
273	was lower (0.28) than in Chinese (0.36) or Brazilian (0.37).[20, 29] The difference in ethnicity	
274	might influence the result, thus a larger study comprising various ethnics is suggested.	
275		
276	Conclusion	
277	The GG genotype in rs9932581 of the CYBA gene might have a protective effect on	
278	cardiovascular disease in short stature children.	

# 7. Tanggal 18 September 2021

**Cardiol Res Editor** <editor@cardiologyres.org>
To: Maria Mexitalia <dr.mexitalia@gmail.com>

Sat, Sep 18, 2021 at 7:57 AM

Dear Dr. Maria Mexitalia,

Thank you very much for your revised manuscript. We will get back to you soon.

Best regards,

Sofia Wan, MSc Editorial Assistant

[Quoted text hidden]

\_\_\_\_\_

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#### 8. Tanggal 21 September 2022



Maria Mexitalia <dr.mexitalia@gmail.com>

#### [CR1314] Editorial Decision (Revisions Required)

4 messages

CR Editor <editor@cardiologyres.org>
To: "MD, PhD Maria Mexitalia" <dr.mexitalia@gmail.com>

Tue, Sep 21, 2021 at 6:26 PM

Dear Dr. Maria Mexitalia,

I would like to inform you that your manuscript entitled "Cytochrome b-245 Alpha Chain (CYBA) Gene Variants and Arterial Function in Indonesian Short Stature Children", after editorial review, has not been found suitable to be published in Cardiology Research in its current form. However, if you are able to address the editor and reviewers' comments, we would be willing to re-consider a revised version of your manuscript.

Please return your revised manuscript with changes highlighted to <a href="editor@cardiologyres.org">editor@cardiologyres.org</a> within 2 weeks, along with a cover letter in which you need to reply the reviewer's comments point-by-point, and indicate any additional changes you have made. Please refer to the attached (combined) review version of manuscript to revise.

If for some reviewer's comments, you disagree, or are unable to make changes, please give your rebuttal or your reasonable explanations.

Please note that, when you revise your manuscript, you should still follow the basic submission guidelines, especially the tables, figures and references should be correctly numbered and cited in the text.

Please be advised that revised manuscript is subject to review and may not be guaranteed acceptance.

Best Wishes

John Somberg, MD Editor-in-Chief

Cardiology Research (CR)

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Reviewer's comments:

Still the authors need to incorporate a discussion of the issues the reviewer raised in an expanded discussion section. The paper also needs a limitation section centered around the points the review raised.

er1314-revised.docx 85K

#### 9. Tanggal 5 Oktober 2024 resend 4 November 2024



Maria Mexitalia <dr.mexitalia@gmail.com>

## [CR1314] Editorial Decision (Accept)

2 messages

CR Editor <editor@cardiologyres.org>
To: "MD, PhD Maria Mexitalia" <dr.mexitalia@gmail.com>

Thu, Nov 4, 2021 at 10:39 PM

(please be advised, this is a resent email, the original email should be sent on Oct 5, 2021, your article was accepted on Oct 5 2021, we apologize for the inconvenience)

Dear Dr. Maria Mexitalia:

I'm writing you in regard to your revised manuscript entitled "Cytochrome b-245 Alpha Chain (CYBA) Gene Variants and Arterial Function in Indonesian Short Stature Children". I am pleased to inform you, after editorial review, this article has been found suitable to be published in the Cardiology Research.

I have forwarded your article to the publisher, Elmer Press, you will be contacted soon for the next step.

Please be advised that all accepted papers are subject to copyediting according to the style of Cardiology Research. Authors will be sent galley for proofreading. The authors need to approve all the statements contained in the article including the changes the copyeditor has made before publication.

Thank you for submitting this manuscript to us. It is the submission such as yours that will maintain the excellence of our Journal. We look forward to your submissions in the future.

**Best Wishes** 

John Somberg, MD Editor-in-Chief Cardiology Research (CR) \*\*\*Follow us on twitter @Cardiologyres to obtain publishing updates

#### 10. Tanggal 6 Oktober 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

### Re: Article Publication (cr1314)

8 messages

**Production** To: dr.mexitalia@gmail.com

Wed, Oct 6, 2021 at 7:02 PM

Dear Dr. Maria Mexitalia,

Your manuscript entitled "Cytochrome b-245 Alpha Chain (<i>CYBA</i>) Gene Variants and Arterial Function in Indonesian Short Stature Children" was accepted for publication in Cardiology Research, attached please find the publishing invoice for your article, please arrange payment at your earliest convenience. After you make the payment, please inform us your manuscript number, payment method, amount and payment date.

Please be noted that the publishing fee should be paid prior to copyediting and publication. Thank you.

If you have any further questions, please let us know.

Sincerely,

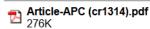
Robert Wu Production editor

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Richmond Hill Ontario, L4B 3H6

Canada

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### 11. Tanggal 4 November 2021

12/06/24, 21.33

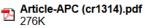
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 $https://mail.google.com/mail/u/0/?ik=03be71da20\&view=pt\&search=all\&permthid=thread-f:1712871736131064753\&simpl=msg-f:1712871736131\dots 1/3$ 

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#### 12. Tanggal 4 November 2021

Maria Mexitalia <dr.mexitalia@gmail.com>

Thu, Nov 4, 2021 at 10:24 PM

Cc: Titut Dr SpA <agustiniutari@gmail.com>, Nani Maharani <maharani.nani@fk.undip.ac.id>

Bcc: Maria Mexitalia <dr.mexitalia@gmail.com>

Editor and Production Editor Cardiology Research

Dear Sir / Madam

Thank you for accepting our manuscript for publication in Cardiology Research.

We apologize for the late response. Honestly the email from Elmer Press Production (Oct 6th, 2021) was sent to spam email. Thus I do not know these email until today.

We realized that our manuscript has been accepted after we received email from Cardiol Res Editor <editor@cardiologyres.org> today.

May we ask one more question? When we are looking at the dashboard of Cardiology Research, it is still written that our manuscript needed revision. I attached herewith the screenshot of the dashboard.

However, we thank you again for accepting our manuscript and we will pay the production as soon as possible.

Best regards

Dr. Maria Mexitalia Correspondence Author

[Quoted text hidden]



Cardiologyres.org dashboard.png

### 13. Tanggal 9 November 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

# **Proofreading (cr1314)**

12 messages

Tue, Nov 9, 2021 at 8:00 PM

Dear Dr. Maria Mexitalia,

Attached please find the galley proof for your article and the proofreading instructions. Please return them as soon as possible. Thank you.

Sincerely,

Jason

**Proofreading Editor** 

-----

Proofreading Editor Production Division

Elmer Press

#### 14. Tanggal 12 November 2021

#### Maria Mexitalia <dr.mexitalia@gmail.com>

Fri, Nov 12, 2021 at 12:03 AM

https://mail.google.com/mail/u/0/?ik=03be71da20&view=pt&search=all&permthid=thread-f:1715955657222086320&simpl=msg-f:1715955657222... 2/5

12/06/24, 21.33

Gmail - Proofreading (cr1314)

Cc: Nani Maharani <maharani.nani@fk.undip.ac.id>, Titut Dr SpA <agustiniutari@gmail.com> Bcc: Maria Mexitalia <dr.mexitalia@gmail.com>

Dear Elmer Press Cardiology Research

Please waive our previous email about proofreading. Herewith I send the changes of galley proof of our manuscript cr1314. We have 2 correction of the manuscript

First about the Affiliation and Orchid ID of the main author and co-author i.e Nani Maharani and Agustini Utari. The second one is additional information of the methods.

#### Author's own corrections below:

- 1. Affiliation for author Agustini Utari: a,c
- 2. (Affiliations section, a): the word split for Dipon-egoro should be: Dipo-negoro
- 3. ORCID-ID of Nani Maharani: 0000-0001-5984-6439
- 4. ORCID-ID of Agustini Utari: 0000-0001-5965-1981

Article:

Material and Methods

TaqMan allelic discrimination assay

The TaqMan allelic discrimination assay was done at the Department of Biological Sciences, Graduated School of Sciences, The University of Tokyo. It was used to genotype four SNPs on the CYBA gene: C242T (rs4673), A640G (rs1049255), -930A>G (rs9932581) and \*49A>G (rs7195830). The polymerase chain reaction (PCR) was done in a total reaction volume of  $10~\mu$ L, which consisted of  $3.875~\mu$ L MilliQ

H2O, 5 µL TaqMan universal PCR master mix, 0.125 µL TaqMan probe and 1 µL DNA with the concentration of 10 ng/µL.

Thank you very much.

Best wishes

Dr. Maria Mexitalia

#### 15. Tanggal 12 November 2021

Maria Mexitalia <dr.mexitalia@gmail.com>
To: jun ohashi <juno-tky@umin.ac.jp>

Fri, Nov 12, 2021 at 9:19 AM

https://mail.google.com/mail/u/0/?ik=03be71da20&view=pt&search=all&permthid=thread-f:1715955657222086320&simpl=msg-f:1715955657222...

3/5

12/06/24, 21.33

Gmail - Proofreading (cr1314)

Cc: Nani Maharani <maharani.nani@fk.undip.ac.id>, Titut Dr SpA <agustiniutari@gmail.com> Bcc: Maria Mexitalia <dr.mexitalia@gmail.com>

Dear Jun

Herewith I send the final of galley proofreading.

I apologize that I put the name of your laboratory (Department of Biological Sciences Graduates School of Sciences The University of Tokyo), at the below of Material and Methods, TaqMan allelic discrimination assay.

I hear from Nani - due to your humbleness - you deleted the name of your laboratory from the manuscript. But I have some considerations to put the Department of Biological Sciences at manuscript, i.e.

- We don't have any facility for the TaqMan allelic discrimination assay at the Center for Biomedical Research Laboratory of Faculty of Medicine Diponegoro University.
- 2. We got funding from Diponegoro University to make an International Collaboration Research.

I hope you don't mind based on the reasons above.

Thank you very much for your understanding and help.

Best wishes

Mexitalia

[Quoted text hidden]

cr1314 final.pdf

jun ohashi <juno-tky@umin.ac.jp>

Fri, Nov 12, 2021 at 11:47 AM

To: Maria Mexitalia <dr.mexitalia@gmail.com>

Cc: Nani Maharani <maharani.nani@fk.undip.ac.id>, Titut Dr SpA <agustiniutari@gmail.com>

Hi Mexi,

There is no problem at all if the name of our laboratory is described in the text. Thank you for taking the time to tell me.

Best regards,

Jun

2021年11月12日(金) 11:19 Maria Mexitalia <dr.mexitalia@gmail.com>: [Quoted text hidden]

#### 16. Tanggal 12 November 2021

Maria Mexitalia <dr.mexitalia@gmail.com>

Fri, Nov 12, 2021 at 9:49 PM

Dear Editor Cardiology Research.

We have checked the last version. This is final and we approve it. Thank you very much.

Best wishes

Dr. Maria Mexitalia

[Quoted text hidden]



## 17. Tanggal 12 November 2021

Proofreading ofreading@elmerpress.com>

Fri, Nov 12, 2021 at 10:41 PM

https://mail.google.com/mail/u/0/?ik=03be71da20&view=pt&search=all&permthid=thread-f:1715955657222086320&simpl=msg-f:1715955657222... 4/5

12/06/24, 21.33

Gmail - Proofreading (cr1314)

To: Maria Mexitalia <dr.mexitalia@gmail.com>

Cc: Nani Maharani <maharani.nani@fk.undip.ac.id>, Titut Dr SpA <agustiniutari@gmail.com>

Your article has been published online, https://cardiologyres.org/index.php/Cardiologyres/issue/view/65

[Quoted text hidden]