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29 April 2021 22.23

Research Journal of Pharmacy and Technology

Paper ID: 21427152124506409 Date of Submission: 27-Apr-2021

Paper Title: **The effect of shallots topical on pain of infants post receiving immunization**

Authors: **Zainab**

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Thanks for submission of paper at enlisted journals of 'A & V Publications'. In the manuscript, it is compulsory to cite references of the related articles from journals of A&V Publications. Therefore, we are requested you to kindly cite / refers at least ten published manuscript from the enlisted journals. The link of published articles is embedded at the bottom of this mail, which you would to click and select any ten manuscripts as applicable to the submitted manuscript.

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Editor

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Research Journal of Pharmacy and Technology

Paper ID: 21427152124506409 Date of Submission:

Paper Title: **The effect of shallots topical on pain of infants post receiving immunization**

Authors: **Zainab**

Dear Author(s),

Thanks for submission of your article. You have following comments from Anggi Setyowati for your submitted article titled "The effect of shallots topical on pain of infants post receiving immunization"

Date: DD-Jul-YYYY, 01:35 AM

COMMENTS:

- The title is appropriate and describes the contents of the article. The topic being researched is original, worthy of publication, and there is a novelty for pharmacological science

Introduction

- The background is well structured and clearly states the benefits of the research.
- What is the difference between this study with the previous study

Material and methods

- The research method used is clear and accurate
- How to make topical shallots in this study?

Results

- The tables have illustrated the actual results
- Could we get the information in terms of demographic characteristics of the infant, such as the age range according to the age group

Discussion

- The author has clearly interpreted the meaning of the results obtained
- What are the study recommendation? and Could you give us the recommendation for further study as well?

Please download the attached file for detailed comments ([click here to view all comments](#)). Also Login to account from which you have submitted the article for more details. ([Click Here to Login Now.](#))

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Editor

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Research Journal of Pharmacy and Technology

Paper ID: 21427152124506409 Date of Submission: 27-Apr-2021

Paper Title: **The effect of shallots topical on pain of infants post receiving immunization**

Authors: **Zainab**

Dear Author(s),

Thanks for submission of paper at enlisted journals of 'A & V Publications'. In the manuscript, reviewers has found some revisions. Therefore, we are requested you to kindly go through the comments of the reviewers and revise your article as needed.

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Editor

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You have new comments for your submitted article.

Research Journal of Pharmacy and Technology

Paper ID: 21427152124506409 Date of Submission: 27-Apr-2021

Paper Title: **The effect of shallots topical on pain of infants post receiving immunization**

Authors: **Zainab**

Dear Author(s),

Thanks for submission of your article. You have following comments from Resubmission of article for your submitted article titled "**The effect of shallots topical on pain of infants post receiving immunization**"

Date: DD-Jul-YYYY, 12:29 PM

COMMENTS:

Dear Author, Pl Resubmit the article after making corrections suggested by Reviewers. Thanks Editor

Please Login to account from which you have submitted the article for more details. ([Click Here to Login Now.](#))

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Editor

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Progress Revised manuscript number 21427152124506409 (minor revision)

3 pesan

zainab zen <zainabzen76@gmail.com>
Kepada: editor.rjpt@gmail.com

6 Agustus 2021 19.44

Dear The Editor

I am Zainab, I have submitted my revised manuscript on 6th July 2021 for the first round (minor revision).
Paper ID:21427152124506409
Title: The effect of shallots topical on pain of infants post receiving immunization.

I would be grateful if you could let me know whether there has been any further progress on my revised manuscript.

Thank you very much
Best regards
Zainab

Research Journal of Pharmacy and Technology Monika Daharwal <editor.rjpt@gmail.com>
Kepada: zainab zen <zainabzen76@gmail.com>

7 Agustus 2021 15.05

Dear Author,
Thanks for information. We will update u soon.
Editor

[Kutipan teks disembunyikan]

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 A and V Publications			
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BASIC INFORMATION			
Paper ID:	21427152124506409		
Submission Date:	April 27, 2021		
Paper Title:	The effect of shalats topical on pain of infants post receiving immunization		
Author(s) Name:	Zainab		
Author(s) Email:	zainabem76@gmail.com		
Author(s) Address:	Poltekkes Kemenkes Banjarmasin, Indonesia		
Journal:	Research Journal of Pharmacy and Technology		
Submitted By:	Zainab Zainab		
Email ID:	zainabem76@gmail.com		
REVIEWER INFORMATION			
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30/Apr/2021, 01:42:30 PM	---	Article resubmitted by author after correction.	
29/Jun/2021, 02:05:41 PM	---	Article is sent to reviewers.	
04/Jul/2021, 01:35:13 AM	---	Review comments submitted by the reviewer.	
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06/Jul/2021, 08:45:44 AM	---	Article resubmitted by author after correction.	
09/Aug/2021, 10:53:38 AM	---	Final version of article is required.	
09/Aug/2021, 06:44:59 PM	---	Final version of article submitted by author.	
09/Aug/2021, 06:45:00 PM	---	Article is accepted by publisher.	
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Research Journal of Pharmacy and Technology
Paper ID:21427152124506409
Author's Name:Zainab
Paper Title: The effect of shallots topical on pain of infants post receiving immunization



Acceptance of Manuscript

With reference to your article titled 'The effect of shallots topical on pain of infants post receiving immunization' Author by Zainab. We wish to bring to your kind notice the following:

- We acknowledge the receipt of the above mentioned article.
- The above mentioned article has been sent to the reviewer of expert comments.
- The above mentioned article have been accepted for publication in Year : 2022, Vol: 15, Issue: 4 of the journal.

Thanking you for submission of manuscript.

Yours sincerely,



Zainab
Editor in Chief

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9 Agustus 2021 13.23

Research Journal of Pharmacy and Technology

Paper ID: 21427152124506409 Date of Submission: 27-Apr-2021

Paper Title: **The effect of shallots topical on pain of infants post receiving immunization**

Authors: **Zainab**

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Editorial board has considered your article titled "**The effect of shallots topical on pain of infants post receiving immunization**". for publication in Year : 2022, Vol: 15, Issue: 4. You are requested to send the final version of your article by clearly mentioning the *Paper Title* and *Author(s) name, affiliation and email address* in proper sequence.

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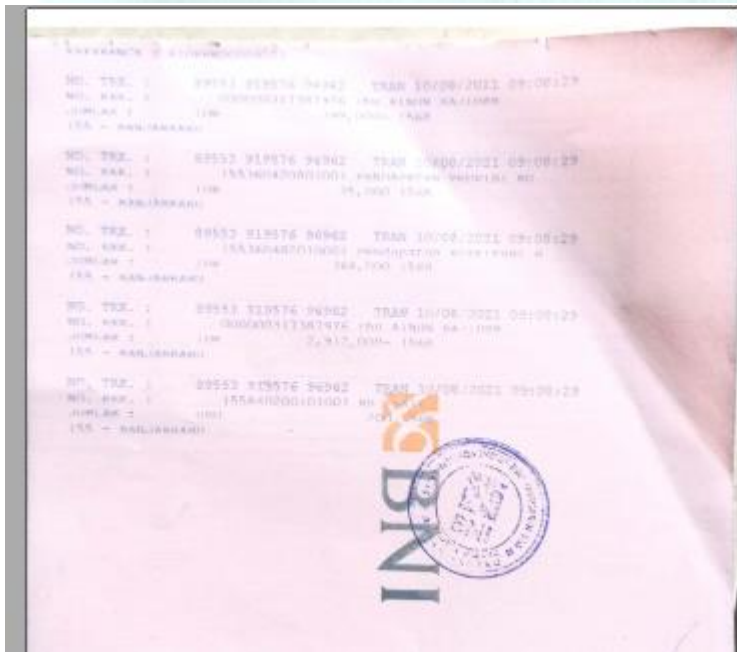
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Nama/Name: <u>Zainab</u> Alamat/Address: <u>Kel. Shaleha University Amir (CC) 492010</u> Telepon/Phone: <u>0818542330 / 0812504945</u> Kota/City: <u>Medan</u> Negara/Country: <u>Indonesia</u>		Sumber Dana/Source of fund <input type="checkbox"/> Tunai/Cash <input type="checkbox"/> Debit Rek./Debit Acc. No. <u>6217387926</u> <input type="checkbox"/> Cek/BG No.						
Bank Pemindah/Beneficiary Bank: <u>State Bank of India</u> Kota/City: <u>Mumbai</u> Negara/Country: <u>India</u> No. Rek./Acc. No.: <u>30263620022</u>		Mata Uang/Currency: <input type="checkbox"/> IDR <input type="checkbox"/> USD <input type="checkbox"/>						
Pengirim/Remitter <input checked="" type="checkbox"/> Perorangan/Personal <input type="checkbox"/> Perusahaan/Company <input type="checkbox"/> Pemerintah/Government <input type="checkbox"/> Remittance Nama/Name: <u>Zainab</u> Nama Alias/alias Name: <u>+</u> No. ID: <u>630305620376009</u> Alamat/Address: <u>0818542330 / 0812504945</u> Telepon/Phone: <u>0818542330 / 0812504945</u> Kota/City: <u>Medan</u> Negara/Country: <u>Indonesia</u>		Jumlah Dana yang dikirim/Amount Transfer: <table border="1"> <thead> <tr> <th>Jumlah/Amount</th> <th>Kurs/Rate</th> <th>Nilai/Total Amount</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td><u>USD 300.00</u></td> </tr> </tbody> </table>	Jumlah/Amount	Kurs/Rate	Nilai/Total Amount			<u>USD 300.00</u>
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Bank Operation Code:
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:32A:210810000200,
Ordering Customer:
:00E:/00000001/38/9/6
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:52A:MM1810JXXX
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RESEARCH ARTICLE

The effect of the application of topical shallots on infant pain post-immunization

Zainab*

Pohkkes Kemerkes Banjarmasin, Indonesia

*Corresponding Author E-mail: zainabem76@gmail.com

ABSTRACT:

One of factors that influences the immunization coverage below the global target is immunization adverse events as well as local reactions, such as pain. The aim of this study was to measure the effect of topical shallots and whether they reduce the incidence of immunization adverse events in infants aged 0 - 11 months, especially the level of pain. This study used a quasi-experimental design with a pre-post design. The sample was infants aged 0 - 11 months. The experimental group consisted of 15 participants and the control group consisted of 15 participants. The pain was measured using the NIPS (Neonatal Infant Pain Scale). In this study, the experimental group was given shallots (*Allium Cepa* L. Var aggregation) topically before they were rubbed around the area of the injection. The control group was not given any intervention. We measured the pain every day until 3 days post-immunization. The data was analyzed using the Wilcoxon Sign Rank test. The study showed that there were changes in the level of pain in the experimental group on day 1, day 2, and day 3 post-immunization ($p < 0.05$). There were also changes in the level of pain in the control group on day 1, day 2 and day 3 ($p < 0.05$). The frequency distribution data showed that no respondents experienced pain in the experimental group, whereas in the control group, there were still two respondents who experienced mild pain. This study recommends using shallots topically, where they are rubbed around the injection area to reduce the local reaction and pain.

KEYWORDS: Shallots, pain, infant, immunization, *Allium Cepa* L. Var aggregation.

INTRODUCTION:

The data showed that 65 WHO member countries still have an immunization coverage below the global target, specifically below 90%¹. It is estimated that 1 in 5 children, around 21.8 million children worldwide have not had their immunizations. In Indonesia, the Complete Basic Immunization (ID1) has reached 86.8%. This needs to be increased to reach the target of 93%. Furthermore Universal Child Immunization (UCI), which has reached the target of 82.9%, needed to be increased to reach 92% in 2019².

One of the factors that influences immunization coverage below the global target is immunization adverse events³, as well as local reactions^{4, 5}.

Immunization adverse events caused the parents to be reluctant or to dropout of re-immunizing their children due to their lack of information⁶ as well as lack of knowledge^{6, 7}. Based on the data from RISKESDAS, 33.4% out of the 91.3% people who are immunized experience immunization adverse event or local reactions, such as pain, redness (20.6%), swelling (20.2%), high fever (6.8%), and pus (6.0%)⁷.

The incidence of immunization adverse events as well as local reactions such as pain can be reduced with traditional plants such as shallots (*Allium Cepa* L. Var aggregation)⁸. Shallots are believed to be beneficial to health, they can be used to reduce fever and pain in children⁹. Shallot extracts contain flavonoid antioxidants such as quercetin and kaempferol. In addition, shallots are a source of antioxidant compounds such as diallyl disulfide, diallyl trisulfide, and allyl propyl disulfide. It is also a source of vitamins and minerals¹⁰. Shallots are additionally anti-inflammatory¹¹ as well as analgesic¹². It can improve blood circulation¹³. It can therefore be

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Thanks

Editor

Soft copy of article after publication.



RESEARCH ARTICLE

The effect of the application of topical shallots on infant pain post-immunization

Zainab*

Poltekkes Kemenkes Banjarmasin, Indonesia.

*Corresponding Author E-mail: zainabzen76@gmail.com

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Accepted on 09.08.2021 © RJPT All right reserved
Research J. Pharm. and Tech 2022; 15(4):1775-1778.
DOI: 10.52711/0974-360X.2022.00297