

Asia Pacific allergy

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Date: 20-Feb-2019

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Asia Pacific allergy

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Manuscript ID **20190013**

Subject [Asia Pacific allergy] Complete submission. Temporary number [20190013]

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Date Submitted : 20-Feb-2019 17:33

Temporary number: 20190013

Category of Submission : New

Type of Manuscript : Original Article

Subspecialty : Others

Abstract

The prevalence of allergic diseases in school children of metropolitan city in Indonesia shows a similar pattern to that of developed countries

Background: The prevalence of allergy among Surabaya school children is currently unknown. Objective: To identify the prevalence of the common allergic sensitization and allergic diseases among school children and undergraduate students in suburban of Surabaya by epidemiological data collection. Methods: A multistage simple random sampling was done to select five primary schools, eight secondary schools (four of junior high schools and senior high schools, respectively), and one university from 5 districts in Surabaya city. Out of 550 invited respondents, 499 (128 primary school, 221 secondary school, and 150 undergraduate) respondents gave their consent. A complete personal history, allergic symptoms, environmental exposure of common allergens was obtained from interview and the physical examinations were performed. Skin prick test (SPT) was done using 45 different allergen extracts. Total serum IgE and specific IgE RAST levels were measured for respondents with allergic manifestations. Results: There was an increasing SPT positivity among study respondents, from primary school, secondary school, to undergraduate students (21.90%, 28.95%, to 45.30% respectively). Cockroach (42.85%) and fungi/mold spore (42.85%) were the most common allergens in primary school children. House dust mites was the most common allergen in secondary school (63.16%) and undergraduate students (58.82%). Urticaria and rhinitis were the commonest allergic diseases manifestation. History of atopy was positive in 60.79% of the allergic respondents. Conclusions: The prevalence of allergic sensitization among school children and undergraduate students in Surabaya suburb areas were increased compared to previous estimates in 1998. While house dust mites are known as important allergens, surprisingly cockroach was the common allergen among the younger school children.

Manuscript file:	- A_20190013_1_00.docx (24KBytes)	Title Page (With Author Details)
	- A_20190013_2_00.docx (85KBytes)	Main Text (No Author Details)
	- A_20190013_3_00.docx (35KBytes)	Table
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Manuscript ID : APA-19-343

Date Submitted : February 24, 2019

Title : The prevalence of allergic diseases in school children of metropolitan city in Indonesia shows a similar pattern to that of developed countries

Corresponding Author : Gatot Soegiarto

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Manuscript ID **APA-19-343**

Subject Manuscript ID [APA-19-343] Letter of decision 1st - Accept without revision

Send Type Manuscripts Revision

Receipt Date 17-Apr-2019

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ONLINE MANUSCRIPT SUBMISSION

[Asia Pacific allergy] Review result : 1st

Date sent : April 17, 2019

Date Decisioned : April 17, 2019

Manuscript ID : **APA-19-343**

Title : The prevalence of allergic diseases in school children of metropolitan city in Indonesia shows a similar pattern to that of developed countries

Corresponding Author : Gatot Soegiarto

Review result : **Accept without revision**

Comments to Authors (Editorial Office) : Dear authors,
Thank you very much for submitting the manuscript.
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Best regards,

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Reviewer's comments

#1 reviewer :

The authors evaluated the prevalence of allergic diseases in school children of metropolitan city, Surabaya in Indonesia.

Major comment>

1. L58-60. This could be a sensitive matter on privacy regulation that the authors got all the information including their own names. I suggest to delete 'together with the name of respective student'

Minor comment>

1. L86. Please always check and confirm the license of the institution on the version of SPSS.
2. Reference numbering in the main text and reference are not the style of Asia Pacific Allergy. Please follow the journal style.
3. Tables: Please use the same decimal points.

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