

## Supplementary Materials

### **The impact of exposure to indoor pollutants on allergy and lung inflammation among school children in Selangor, Malaysia: An evaluation using factor analysis**

**Khairul Nizam Mohd Isa<sup>1,2</sup>, Zailina Hashim<sup>1</sup>, Juliana Jalaludin<sup>1</sup>, Dan Norbäck<sup>3</sup>, Mohammed Abdulrazzaq Jabbar<sup>4</sup>, Jamal Hisham Hashim<sup>5</sup>**

<sup>1</sup> *Department of Environmental and Occupational Health, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, UPM, Serdang, Selangor, Malaysia*

<sup>2</sup> *Environmental Health Research Cluster (EHRC), Environmental Healthcare Section, Institute of Medical Science Technology, Universiti Kuala Lumpur, Kajang, Selangor, Malaysia*

<sup>3</sup> *Department of Medical Science, Occupational and Environmental Medicine, Uppsala University Hospital, Uppsala University, Uppsala, Sweden*

<sup>4</sup> *Department of Population Medicine, Faculty of Medicine and Health Sciences, Universiti Tunku Abdul Rahman, Jalan Sungai Long, Bandar Sungai Long, Kajang, Selangor, Malaysia*

<sup>5</sup> *Department of Health Sciences, Faculty of Engineering and Life Science, Universiti Selangor, Shah Alam Campus, Seksyen 7, Shah Alam, Selangor, Malaysia*

Table S1. Descriptive characteristics of the children (N=470)

Characteristics	n	%
Gender		
Male	182	38.7
Female	288	61.3
Doctor's diagnosed asthma		
Yes	50	10.6
No	420	89.4
Sensitization		
Atopic	271	57.7
Non-atopic	199	42.3
Parental Asthma/allergy		
Yes	155	33.0
No	315	67.0
Location of schools		
Sub-urban	200	42.5
Urban	270	57.5
Weight (kg)		52.41 (0.65)
Height (m)		1.57 (0.05)
BMI(kg m <sup>-2</sup> )		21.25 (0.26)

Values are mean (SD) for weight, height and BMI. BMI = body mass index, SD = standard deviation.

Table S2. Correlation analysis of FeNO levels with weight, height and BMI (N=470)

Characteristics	r	p-value
Weight (kg)	0.087	0.059
Height (m)	0.115	0.013*
BMI(kg m <sup>-2</sup> )	0.064	0.165

FeNO = fractional exhaled nitric oxide, BMI = body mass index.

r = correlation coefficient

\*p < 0.05