

Supplementary Materials

Characterization of size-segregated PM down to UFP (PM_{0.1}) and its trace and major elemental composition in blacksmith factories, Indonesia

Rinda Andhita Regia¹, Katharina Oginawati², Suharyanto Suharyanto², Dewi Sumaryani Soemarko³, Muhammad Amin^{4,5}, Muhayatun Santoso⁶

¹Doctoral Program of Environmental Engineering, Faculty of Civil and Environmental, Institut Teknologi Bandung, Bandung 40132, Indonesia.

²Study Program of Environmental Engineering, Faculty of Civil and Environmental, Institut Teknologi Bandung, Bandung 40132, Indonesia.

³Department of Community Medicine, Faculty of Medicine, Universitas Indonesia, Central Jakarta 10320, Indonesia.

⁴Faculty of Geoscience and Civil Engineering, Institute of Science and Engineering, Kanazawa University, Kanazawa 920-1192, Japan.

⁵Faculty of Engineering, Universitas Sumatra Utara, Medan 20155, Indonesia.

⁶Research Organization for Nuclear Energy (ORTN), National Research and Innovation Agency (BRIN), Bandung 40132, Indonesia.

Correspondence to: Ass. Prof. Muhammad Amin, Faculty of Geoscience and Civil Engineering, Institute of Science and Engineering, Kakuma-machi, Kanazawa University, Kanazawa 920-1192, Japan. E-mail: muh-amin@se.kanazawa-u.ac.jp; Assoc Prof. Katharina Oginawati, Study Program of Environmental Engineering, Faculty of Civil and Environmental, Institut Teknologi Bandung, Bandung 40132, Indonesia. E-mail: katharina.oginawati@itb.ac.id

Table S1. Statistical comparison of PM concentrations across workshops

Particle Size	SW_WS-A	SW_WS-B	SW_WS-C	SW_WS-D	SW_WS-E	Levene	Kruskal-Wallis
< 0.1	0.75215	0.5836	0.157514	0.29329	0.102399	0.530192	0.334716
0.1-0.5	0.927295	0.82992	0.57374	0.212795	0.002856	0.656308	0.552263

0.5-1	0.366251	0.021646	0.540839	0.475363	0.29083	0.619838	0.580381
1-2.5	0.55401	0.163651	0.368224	0.694343	0.313004	0.764851	0.477878
2.5-10	0.894808	0.631272	0.49949	0.247854	0.926926	0.360358	0.211946
> 10	0.220281	0.59463	0.100771	0.508569	0.474169	0.555905	0.084521

SW: Shapiro-Wilk

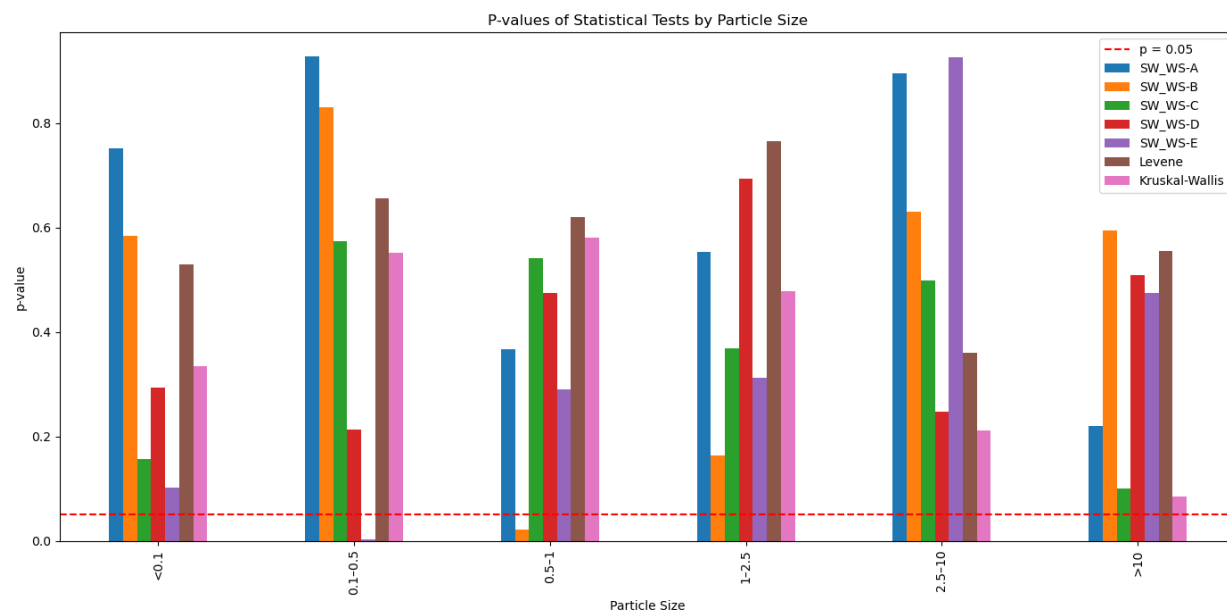


Figure S1. *P* values of statistical test by particles sizes across Workshop.