

## DAFTAR ISI BUKTI KORESPONDENSI JURNAL

Submission.....	1
Proses Revisi .....	2-6
Accepted .....	7
Bukti Pembayaran .....	8
Proses Editing .....	9
Surat Artikel Layak Muat .....	10
Artikel Publish .....	13

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**Oktia Woro Kasmini Handayani** <journal@mail.unnes.ac.id>  
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Thank you for submitting the manuscript, "The Causes Analysis of Pulmonary Function Disorders at Semen X Company" to KEMAS: Jurnal Kesehatan Masyarakat. 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:

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17 of 237

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Tanggal Transaksi 15-04-2022

Waktu Transaksi 12:27:19 WIB

Email Penerima Kemas@mail.unnes.ac.id

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**The Causes Analysis of Pulmonary Function Disorders at Semen X Company**

Bersama ini kami sampaikan bahwa hasil penilaian dari dewan redaksi, artikel Sejawat layak untuk dimuat di Jurnal KEMAS Volume 18 No.1 Juli 2022.

Atas perhatian dan kerjasama yang baik diucapkan terima kasih.

Semarang, 19 April 2022

**Ketua Dewan Redaksi,**

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## The Causes Analysis of Pulmonary Function Disorders at Semen X Company

*Sunarsieh Sunarsieh*

**Abstract**

The cement industry sector was the largest manufacturing industry which was important for sustainable development and it was very risky for workers to be exposed to dust in various processes including production. Continuous exposure to dust can cause pulmonary function disorders. This study aimed to analyze the relationship between dust exposure, age, length of work, working period, use of PPE (masks), smoking habits and pulmonary function disorders in labor. This research used an observational method with a cross sectional approach. The research sample was a total population of 38 male workers. Data collection was carried out by interviewing respondents and measuring the level of inhaled dust with a personal dust sampler and checking the lung capacity with a spirometer. Data analysis was performed bivariate with the chi-square test. The results showed that there was a relationship between the use of PPE (mask) ( $p = 0.006$ ) with pulmonary function disorders.

**Keywords**

Dust levels; pulmonary dysfunction; pulmonary function disorders

**References**

Balkhyour, M. A., Ahmad, I., & Rehan, M. (2019). Asses sment of personal protective equipment use and occupational exposure in small industries in jeddah : health implications for workers. *Saudi Journal of Biological Sciences*, 26(4), 653&#x2013;659. <https://doi.org/10.1016/j.sjbs.2018.06.011>

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Ballabian, F. (2019). Respiratory effects of long-term exposure to dust outbreaks. *Global Research Journal of Public Health and Epidemiology*, 6(11), 205&#x2013;221

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