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Promotion of K3 in the Informal Sector of Occupational Diseases (PAK) and Occupational Diseases (PAHK) in the Workplace

Octavianus Hutapea¹, Moch. Sahri¹, Puspita Dwi Kartikasari¹, Yeni Dwi Puspitasari¹, Zulfi Ahmad Ruhansyah¹, Aldin Taufal Alufti¹, Amanda Nabila Maharani Irawan¹

¹ Universitas Nahdlatul Ulama Surabaya, East Java, Indonesia

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CORRESPONDENCE

E-mail: octavianus_hutapea@unusa.ac.id

A B S T R A C T

In the midst of rapid industrial development, small and medium enterprises such as welding factories play an important role in improving the welfare of the community. Jagiru Wonokromo No. 326, Jagiru, stingy. Workplace Safety Factory workers are often at risk of accidents due to the use of heavy equipment and welding. Promoting workplace safety practices reduces accidents and helps workers understand the importance of self-protection. This improves the functionality and quality of the product. Jagir Jaya's interaction in the welding workplace is expected to have a positive impact on maintaining occupational safety and health, increasing awareness, and preventing accidents that can threaten worker safety. Socialization in the welding workplace has a significant impact on maintaining worker safety and health. Therefore, increasing safety awareness in the target area will help workers understand the risks associated with the welding process such as fire hazards, smoke, and heavy equipment. With a better understanding, workers tend to be more careful and pay more attention to safety procedures. Emergency training is also conducted during placement to train employees in responding to emergencies such as fires and accidents. Knowledge of evacuation procedures and the use of fire extinguishers can save lives.

INTRODUCTION

Amidst the rapid development of industry, small and medium business sectors such as welding factories play an important role in improving community welfare (Rimawati, 2022). However, there are a number of challenges that non-profit organizations in this field often face. Lack of community knowledge and skills regarding safe and efficient welding techniques (Nur, 2024). This can result in industrial accidents or result in products that do not meet quality standards. Many workshops have difficulty developing their businesses due to a lack of understanding of good corporate governance (Boynard & Harris, 2024).

At the Jagir Jaya Welding workshop located at Jl. Jagir Wonokromo No.326, Jagir, Kec. Wonokromo, Surabaya, East Java 60244 which was established in 1989 by Mr. Pusoro who currently has 10 permanent employees operating every Monday to Saturday. The skills and modifications in each of his works create a special attraction in the eyes of consumers who need to evaluate each production process to improve the quality and productivity of their business.

Therefore, Socialization to welding shop workers is very important for several reasons (Akhmadi & Usman, 2023). Workplace Safety Factory workers are often at risk of accidents due to heavy machinery and welding processes. Socializing workplace safety practices reduces accidents and ensures workers

understand the importance of self-protection (Mu'ammal et al., 2024). Skill Enhancement Through socialization, workers can learn the latest techniques and techniques in welding. This improves their skills and produces higher quality products (Anwar et al., 2024).

It is expected that this socialization will have a positive impact on the Welding Workplace of Jagir Jaya Welding on Occupational Safety and Health Maintenance and to increase awareness and prevent accidents that can threaten worker safety. Socialization in the welding workplace has a significant impact on maintaining worker safety and health (Joniarta et al., 2022). Such as increasing Safety Awareness in Outreach helps workers understand the risks associated with the welding process, including Fire, Smoke, and Heavy Equipment Hazards (Sugiharto, 2018). With a better understanding, workers tend to be more careful and pay more attention to safety procedures. There is also Emergency Response Training during our socialization to train workers to deal with emergencies such as fires and accidents. Knowledge of evacuation procedures and the use of fire extinguishers can save lives. One example to anticipate work accidents is the need for the Use of Personal Protective Equipment (PPE). Socialization emphasizes the importance of using PPE such as eye protection, masks, and gloves. When workers have a good understanding of PPE, they are more likely to use it consistently (Ketut, 2023).

METHOD

In this socialization we use a qualitative method with Digging in-depth information through interviews and discussions with workers to understand workers' attitudes and behaviors related to safety and health. We Analyzed a specific Jagir Jaya welding workshop to identify problems and solutions applied in a real context. For Observation Data Collection Directly observing the work process, use of PPE, and safety practices. By interviewing Jagir Jaya welding employees, and the wife of the owner of Jagir Jaya welding, Mrs. Hj. Naning was interviewed to obtain various perspectives on safety and health protection in the workplace. For evidence of socialization activities, we conducted a Documentation session to Collect and analyze relevant documents such as accident reports, safety guidelines, and training records.

RESULT AND DISCUSSION

The results of the socialization of occupational diseases and fire risks in welding workshops are increasing worker awareness and deeper worker understanding. Problems related to health risks in welding, such as respiratory diseases due to exposure to smoke and dust, and burns due to direct contact with hot materials. Knowledge of Occupational Diseases: Workers now better understand the symptoms and signs of diseases that may occur, such as respiratory diseases, dermatitis, and musculoskeletal problems. This will make them pay more attention to their health. Fire hazard response procedures such as training Employees on

emergency procedures to follow in the event of a fire, including the use of fire extinguishers and safe evacuation routes.

The use of Personal Protective Equipment (PPE) is expected to increase awareness of the importance of using PPE. Workers tend to wear masks, gloves, and safety glasses, which can help reduce the risk of illness or injury (Assyahra & Rahman, 2024).

Post-socialization interviews showed that workers felt safer and more confident in their work after receiving training and clear information about the risks and how to avoid them. To maintain employee awareness and participation, it is recommended to conduct regular socialization, update training materials, and involve employees in safety discussions. With this socialization, it is hoped that the work environment in the Jagir Jaya welding workshop will be safer and healthier, and the overall welfare of workers can be improved. The following is documentation of the interview activities that we have conducted on Jagir Jaya welding employees.



We also left a poster at the Jagir Jaya welding workshop which we hope will make it easier for employees to deal with work-related illnesses and accidents at the Jagir Jaya welding workshop.



CONCLUSION

Workers now have a better understanding of the health risks associated with their work, such as respiratory illnesses and burns. This awareness has the potential to reduce health incidents in the workplace. Improved use of PPE: Workers are increasingly using personal protective equipment (PPE). Recognizing the importance of PPE can help prevent injuries and illnesses. Implementation of Worker Safety Procedures so that workers understand fire and emergency safety procedures, which speeds up the response to incidents and thereby reduces significant risks. Improved Communication during Socialization encourages employees to be more proactive in reporting potential hazards, thereby creating a stronger safety culture in the workplace. Follow-up Recommendations It is highly recommended to conduct regular outreach activities with up-to-date materials and worker participation. This is important to maintain and improve safety awareness and practices in the workplace. Overall, this outreach has been successful in providing the information and skills needed to create a safer and healthier work environment at the Jagir Jaya Welding Workshop, thereby improving worker well-being and company productivity.

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