

**THE RELATIONSHIP BETWEEN KNOWLEDGE AND ANXIETY AMONG
TOFU FACTORY EMPLOYEES AND FIRE DISASTER PREPAREDNESS
IN TEGUHAN VILLAGE, SRAGEN**

Niken Yuliana Nur Indrawati¹, Mulyaningsih²

Bachelor Of Nursing

nikenyuliana960@gmail.com

Universitas 'Aisyiyah Surakarta

ABSTRACT

Background: Fires that occur in tofu factories are largely caused by negligence during the soybean boiling process, short circuits in automatic grinding machines, and unsafe storage of fuel (firewood or LPG gas). One of the key indicators of disaster preparedness is the level of knowledge possessed by the employees. The interaction between knowledge and anxiety serves as a determinant that significantly influences overall preparedness. Together, knowledge and anxiety affect the preparedness of employees in facing fire disasters in high-risk work environments such as tofu factories. **Objective:** This study aimed to determine the relationship between knowledge and anxiety among tofu factory employees and their preparedness for fire disasters in Teguhan Village, Sragen. **Methods:** This was a quantitative study using a descriptive correlational design with a cross-sectional approach. A total of 74 respondents were analyzed using bivariate Chi-Square tests. **Results:** The majority of tofu factory employees showed sufficient knowledge (67.6%), mild anxiety (74.3%), and sufficient preparedness (67.6%). Statistical test results showed a p-value for the relationship between knowledge and fire disaster preparedness of 0.000 (< 0.05) and a p-value for the relationship between employee anxiety and fire disaster preparedness of 0.034 (< 0.05). **Conclusion:** There is a relationship between knowledge and anxiety among tofu factory employees and their preparedness for fire disasters. **Keywords:** anxiety, employees, fire, knowledge, preparedness.