

ABSTRACT

Name : Antonius Dodi Yunanto
Study program : Occupational Health and Safety Industry
Title : **RELATIONSHIP BETWEEN WELDING RAYS
WITH PHOTOELECTRIC CONJUNCTIVITIS
COMPLAINTS TO WORKERS IN THE SME
SECTOR SUD DISTRICT GEDE EAST JAKARTA**

welding is one of the activities in the current informal sector. Photoelectric conjunctivitis is known as photokeratitis, flash burn, welder's flash atau welder's eye, more common on welding officer due to exposure to UV light. The purpose of this study is to know the relationship between welding with photoelectric conjunctivitis complaints in las workers In SME Sector of Gamprit Area Kecamatan Pondok Gede, East Jakarta. This research type is analytic descriptive with cross sectional approach, statistical analysis method used is Chi Square. Population and sample in this research are all welding worker of ukm sector in Pondok Gede sub-district as many as 62 people in 25 point welding workshop. Sampling was done by questionnaire and Lutron 340 A measuring instrument. The result of measurement of correlation between ultraviolet rays with conjunctivitis complaint obtained $p = 0,045$ (H_0 rejected), and OR value = 4,491 which means welding workshop having radiation value exceeding NAB has 4 times greater risk of photoelectric conjunctivitis complaints against welding workers

Keywords : Rays of welding, Photoelectric Conjunctivitis

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